

Service Manual



XDJ-XZ

ORDER NO.
RRV4698

All-In-One DJ System

XDJ-XZ

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
XDJ-XZ	AXJ	AC 220 V	
XDJ-XZ	LWSYXJ	AC 110 V to 240 V	
XDJ-XZ	UXJCB	AC 120 V	

THIS SERVICE MANUAL SHOULD BE USED TOGETHER WITH THE FOLLOWING MANUAL(S).

Model	Order No.	Remarks
XDJ-XZ	RRV4699	SCHEMATIC DIAGRAM, PCB CONNECTION DIAGRAM, PCB PARTS LIST



Pioneer DJ Corporation

6F, Yokohama i-Mark Place, 4-4-5 Minatomirai, Nishi-ku, Yokohama, Kanagawa 220-0012 JAPAN

SAFETY INFORMATION



This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

Caution

Since the fuse may be neutral of the mains supply, disconnect the mains to de-energize the phase conductors.

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1. SERVICE PRECAUTIONS

1.1 NOTES ON SOLDERING

For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
Do NOT use a soldering iron whose tip temperature cannot be controlled.

1.2 NOTES ON REPLACING

The part listed below is difficult to replace as a discrete component part.
When the part listed in the table is defective, replace whole Assy.

Assy Name	Parts that is Difficult to Replace			
	Part No.	Ref No.	Function	Remarks
MAIN Assy	BD9328EFJ	IC301	DC-DC CONVERTER (System power supply)	IC with heat-pad
	BD00IC0WEFJ	IC302	REGULATOR IC (System power supply)	IC with heat-pad
	IS31BL3555-ZLS4	IC303	DRIVER IC (BROWSE-LCD backlight power supply)	IC with heat-pad
	BD9328EFJ	IC501	DC-DC CONVERTER (System power supply)	IC with heat-pad
	MMPF0100F0AEP	IC502	PO SUPPLY IC (Power management IC)	QFN IC with heat-pad
	MCIMX6Q6AVT10AD	IC701	U-PRO IC (Application processor)	BGA
	K4B4G1646E-BYMA	IC901, IC902	RAM IC (DDR3)	BGA
	H337S3959	IC1101	Authentication Coprocessor (MFi authentication)	USON package (UltraSmallOutlineNon-lead)
	BD9328EFJ	IC1801, IC1802	DC-DC CONVERTER (USB-A power supply)	IC with heat-pad
	TPS2557DRB	IC1803, IC1804	High-side SW IC (USB-A current control)	IC with heat-pad
	TUSB4020BIPHP	IC1805	INTERFACE IC (USB-A HUB)	IC with heat-pad
	RTL8152B-VB-CG	IC2001	INTERFACE IC (USB-LAN conversion)	QFN IC with heat-pad
	TUSB4041IPAP	IC2002	INTERFACE IC (USB-B HUB)	IC with heat-pad
	RTL8309M-CG	IC2151	INTERFACE IC (LAN HUB)	QFN IC with heat-pad
	D810K013DZKB400	IC2501	DSP	BGA
JLCD1 Assy	BD00IC0WEFJ	IC3001	REGULATOR IC (JOG-LCD UCOM power supply)	IC with heat-pad
JLCD2 Assy	BD00IC0WEFJ	IC3201	REGULATOR IC (JOG-LCD UCOM power supply)	IC with heat-pad
XPAD Assy	ATSAMD20E15A-MU	IC3401	Microcontroller (X-PAD control)	QFN IC with heat-pad
LCDB Assy	R1290K103A	IC3605	DC-DC CONVERTER (BROWSE-LCD power supply)	QFN IC with heat-pad
	AK4187VN	IC3606	INTERFACE IC (TOUCH PANEL control)	QFN IC with heat-pad
AUDIO Assy	AK4458VN	IC5802	Multi DAC IC (MASTER/BOOTH/SEND output)	QFN IC with heat-pad
	2SCR573D3	Q6413, Q6415	TRANSISTOR (HP output)	Tr with heat-pad
	2SAR573D3	Q6414, Q6416	TRANSISTOR (HP output)	Tr with heat-pad
	BD9328EFJ	IC6602, IC6603	DC-DC CONVERTER (LED power supply)	IC with heat-pad
	BD9851EFV	IC6605, IC6606	DC-DC CONVERTER (AUDIO power supply)	IC with heat-pad
	NJM78M09DL1A	IC6607	REGULATOR IC (AUDIO power supply)	IC with heat-pad
	NJM7805DL1A	IC6609, IC6610	REGULATOR IC (AUDIO power supply)	IC with heat-pad
	NJM78M15DL1A	IC6611	REGULATOR IC (AUDIO power supply)	IC with heat-pad
	NJM79M15DL1A	IC6612	REGULATOR IC (AUDIO power supply)	IC with heat-pad

1.3 SERVICE NOTICE

■ About the ICs in the MAIN Assy

Replacement of the Flash ROM (IC1102) and USB-LAN Conversion (IC2001) in the MAIN Assy are not possible during service, because writing of the MAC address on the production line is required.

Therefore, the Flash ROM (IC1102) and USB-LAN Conversion (IC2001) are not supplied as a service part.

If the IC is defective, replace the whole MAIN Assy.

After replacing the the MAIN Assy, writing of the serial number of the unit is required.

For details on how to write the serial number, see "8.5 WRITING THE SERIAL NUMBER OF THE UNIT."

■ Voltage monitoring

This unit always monitors for power failure and will shut itself off immediately after an error is detected.

If a power is defect, MASTER REC (WAKE UP) LED on the right Deck is flashing in a cycle of 250 ms (light on 125 ms and light off 125 ms).

Other LEDs light off, and SW and VR become not working.

Repair the unit according to the diagnostic procedures described in "5.4 VOLTAGE MONITORING CIRCUIT."

■ Confirmation of user-setting

This product has user-setting data. Be sure to confirm those data before starting repair, although changing them may not have a large effect. Use the Check Sheet in "8.6 USER SETABLE ITEMS" to which you can transcribe the settings, as required.

The settings are stored in FLASH ROM (IC1102) on the MAIN Assy.

For details, refer to "Changing the settings" in the operating instructions.

■ About the assembly of the JOG dial display

The JOG panel is not coloring to improve the visibility of the LCD. So, internal dust and dirt on the surface are easy to see.

Therefore, attention is required when replacing the parts inside the JOG dial (especially when replacing TFT LCD (DWX4228)).

If it gets dirty during work, please remove it before working. In addition, the LCD is performed calibration at the mass production. Therefore, do the same when replacing.

■ How to modify when the rattling of the product is occurred

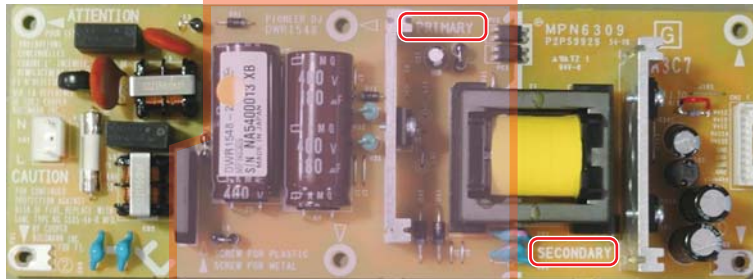
- Place the 13 points (■) of the control panel under the block (Height more than 40 mm and Diameter around $\phi 20$ mm is recommended), and attach the chassis part according to the screw tightening order manually. (The block is available at the home center, etc.)(Refer to "7 DISASSEMBLY" about the screw tightening order.)
- When there is no block, place the whole surface of the control panel to the curing mat, and attach the chassis part according to the screw tightening order manually.
- Take care not to press the screwdriver strongly to the product in any case.
- Do not use the electric screwdriver.



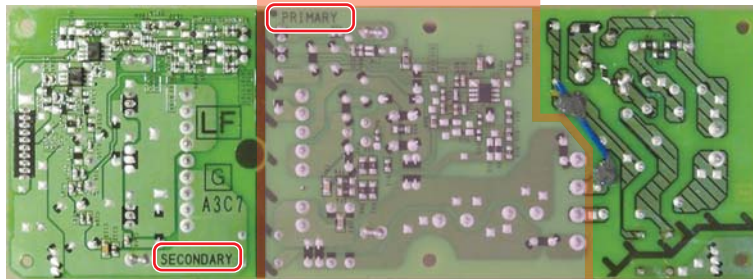
■ SW POWER SUPPLY Primary side electrical shock

The primary side of SW POWER SUPPLY remains voltage long time, and the primary solder side can be seen. So if you touch the primary solder side, it is possible to receive an electrical shock. There is the **red area** below where we tend to receive an electrical shock. Be sure to discharge the voltage of primary side to avoid receiving the electrical shock.

Electrical shock area of A-side.

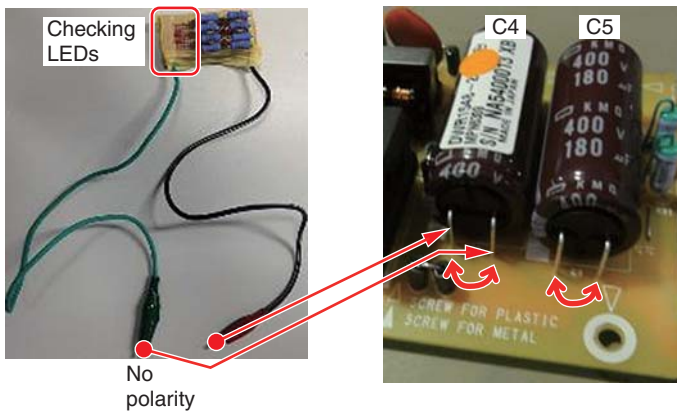


Electrical shock area of B-side.



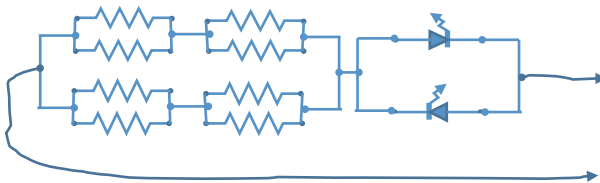
When discharging the above point, use the following discharge jig as needed.

While the charging voltage is left of both C4 and C5, either of checking LEDs turns on. And if **both of LED turns off**, we can avoid receiving the electrical shock!!



The circuit of "discharge JIG" is shown below.

- Resister is all 10 kΩ (3W)
- Both of LED is LTL17KRH5D



When there is no above type LED, take measures the following method.

- Step 1: After the power is turned off, wait 2 minutes.
- Step 2: Connect the Register Jig and leave the unit as it is, for 10 seconds.

2. SPECIFICATIONS

A	Power requirements	AC 110 V to 240 V, 50 Hz/60 Hz
	Power consumption	55 W
	Power consumption (standby)	0.3 W
	Main unit weight	13.0 kg (28.7 lb)
	Max. dimensions	878.0 mm (W) × 466.1 mm (D) × 118.4 mm (H) (34.6 in. (W) × 18.4 in. (D) × 4.7 in. (H))
	Tolerable operating temperature	+5 °C to +35 °C (+41 °F to +95 °F)
	Tolerable operating humidity	5 % to 85 % (no condensation)

Audio Section

	Sampling rate	44.1 kHz
	A/D converter	24-bit
	D/A converter	
B	MASTER, BOOTH, SEND	32-bit
	PHONES	24-bit
	Frequency characteristic	
	USB, LINE, AUX (LINE/PORTABLE), MIC	20 Hz to 20 kHz
	S/N ratio (rated output, A-WEIGHTED)	
	USB	114 dB
	LINE	103 dB
	PHONO	90 dB
	AUX (LINE)	96 dB
	AUX (PORTABLE)	90 dB
	MIC	81 dB
	Total harmonic distortion (20 Hz to 20 kHzBW)	
	USB	0.003 %
C	LINE	0.005 %
	PHONO	0.017 %
	Standard input level / Input impedance	
	LINE	−12 dBu/47 kΩ
	PHONO	−52 dBu/47 kΩ
	AUX (LINE)	−12 dBu/47 kΩ
	AUX (PORTABLE)	−24 dBu/47 kΩ
	MIC	−57 dBu/3 kΩ
	Standard output level / Load impedance / Output impedance	
	MASTER 1	+6 dBu/10 kΩ/390 Ω or less
	MASTER 2	+2 dBu/10 kΩ/1 kΩ or less
	BOOTH	+6 dBu/10 kΩ/470 Ω or less
	SEND	−12 dBu/10 kΩ/680 Ω or less
D	PHONES	+8 dBu/32 Ω/2 Ω or less
	Rated output level / Load impedance	
	MASTER 1	+24 dBu/10 kΩ
	MASTER 2	+20 dBu/10 kΩ
	BOOTH	+24 dBu/10 kΩ
	SEND	+11 dBu/10 kΩ
	Crosstalk	
	LINE	97 dB
	PHONO	80 dB
	Channel equalizer characteristic	
	HI	−26 dB to +6 dB (20 kHz)
	MID	−26 dB to +6 dB (1 kHz)
	LOW	−26 dB to +6 dB (20 Hz)
	Microphone equalizer characteristic	
E	HI	−12 dB to +12 dB (10 kHz)
	MID	−12 dB to +12 dB (2.5 kHz)
	LOW	−12 dB to +12 dB (100 Hz)
	MASTER equalizer characteristic	
	HI	−26 dB to +6 dB (20 kHz)
	MID	−26 dB to +6 dB (1 kHz)
	LOW	−26 dB to + 6 dB (20 Hz)

Input / Output terminals

PHONO input terminals	
RCA pin jacks	2 sets
LINE input terminal	
RCA pin jacks	2 sets
MIC input terminal	
XLR connector & 1/4" TRS jack	2 sets
AUX input terminal	
RCA pin jacks	1 set
MASTER1 output terminal	
XLR connector	1 set
MASTER2 output terminal	
RCA pin jacks	1 set
BOOTH output terminal	
1/4" TRS jack	1 set
SEND output terminal	
1/4" TS jack	1 set
PHONES output terminal	
1/4" stereo phone jack	1 set
3.5 mm stereo mini jack	1 set
USB ports	
A type	2 sets
Power supply	5 V/1 A
B type	1 set
LINK terminals	
LAN terminals (100Base-TX)	3 sets

— The specifications and design of this product are subject to change without notice.

Accessories

- Power cord
(AXJ: DDG1114)
(LWSYXJ: ADG1244)
(UXJCB: DDG1108)
- USB cable
(DDE1150)
- Operating Instructions (Quick Start Guide)
(AXJ: DRH1542)
(LWSYXJ: DRH1540, DRH1541)
(UXJCB: DRH1539)
- Warranty (LWSYXJ only)
- Software license notice
(AXJ: DRH1594)
(LWSYXJ, UXJCB: DRH1592, DRH1593)
- rekordbox dj license key card

3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

Items to be checked after servicing

To keep the product quality after servicing, confirm recommended check points shown below.

No.	Procedure	Check points
1	Confirm the firmware version in Test mode.	The version of the firmware must be latest. Update firmware to the latest one, if it is not the latest.
2	Confirm whether the customer complaint has been solved. If the customer complain occurs with the specific source, such as Mic, each Input, Fader, Equalizer, and Trim, input that specific source for checking.	The customer complain must not be reappeared. Audio and operations must be normal.
3	Check the analog audio input (each channel, AUX, MIC1, MIC2). (Make the analog connections with CDJ player, analog player and MIC.)	Audio and operations must be normal.
4	Check the analog audio output (MASTER1, MASTER2, BOOTH, SEND).	Audio and operations must be normal.
5	Check the headphones output. (1/4" stereo phone plugs and 3.5 mm stereo mini plugs)	There must be no errors, such as noise, in the audio output.
6	Check the LCD display.	Check that there is no dirt or dust trapped inside the LCD display.
7	Check the LEDs.	Check that all the LEDs light in Test mode.
8	Check operations of the operating elements. (KEY, SW, VR, Fader, PAD and X-PAD etc.)	Make sure that all buttons and controls on the main unit function properly in Test mode.
9	Check the touch panel.	Check operation with all black screen in Test mode. Operations must be normal.
10	Check the connection of each interface.	
	Playback data contained in the device connected to USB A.	Audio, Search and operations must be normal.
	Confirm the connection with PC with USB B.	The PC must be linked. The rekordbox software must be linked.
	Confirm the connection with CDJ player and the PC by LAN.	This product is recognized definitely by CDJ player, and LINK be established. This product is recognized to a PC definitely, and LINK be established in rekordbox.
11	Confirm user setting contents.	Being repaired to the contents before repairing.
12	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

See the table below for the items to be checked regarding audio.

Item to be checked regarding audio	
Distortion	Volume too high
Noise	Volume fluctuating
Volume too low	Sound interrupted

3.2 JIGS LIST

A

Jigs List

Jig Name	Part No.	Purpose of use / Remarks
Software for writing the serial number	GGGS1784	For writing the serial number of the unit to the MAIN Assy after replacement. The file is uploaded to Niis. Refer to "8.5 WRITING THE SERIAL NUMBER OF THE UNIT."
License-key card for Service	GGP1522	For activation of rekordbox dj
License-key card for Service	GGP1524	For activation of rekordbox Video
Extension jig FFC (27 pin, L = 500 mm)	GGD1903	Used for "8.3 JOG DIAL ROTATION LOAD ADJUSTMENT MODE". Refer to "7. DISASSEMBLY".
Acetate cloth tape	GYH1035	Refer to "9.8 LCD SECTION".
Double side tape	GYH1038	NITTO No. 500 (width:10 mm) Refer to "7. DISASSEMBLY". (JOG dial Section_Notes for Reassembling TFT LCD)

Lubricants and Glues List



C

Name	Part No.	Remarks
Lubricating oil	GYA1001	Used for "9.4 CONTROL PANEL SECTION (1/3)", "9.5 CONTROL PANEL SECTION (2/3)" and "9.7 JOG DIALSECTION". Refer to "7. DISASSEMBLY".
Lubricating oil	GEM1106	Used for "9.7 JOG DIAL SECTION". Refer to "7. DISASSEMBLY". (Dry surf HFD-1610)

D

E

F

A

E

C

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E

F

2/2

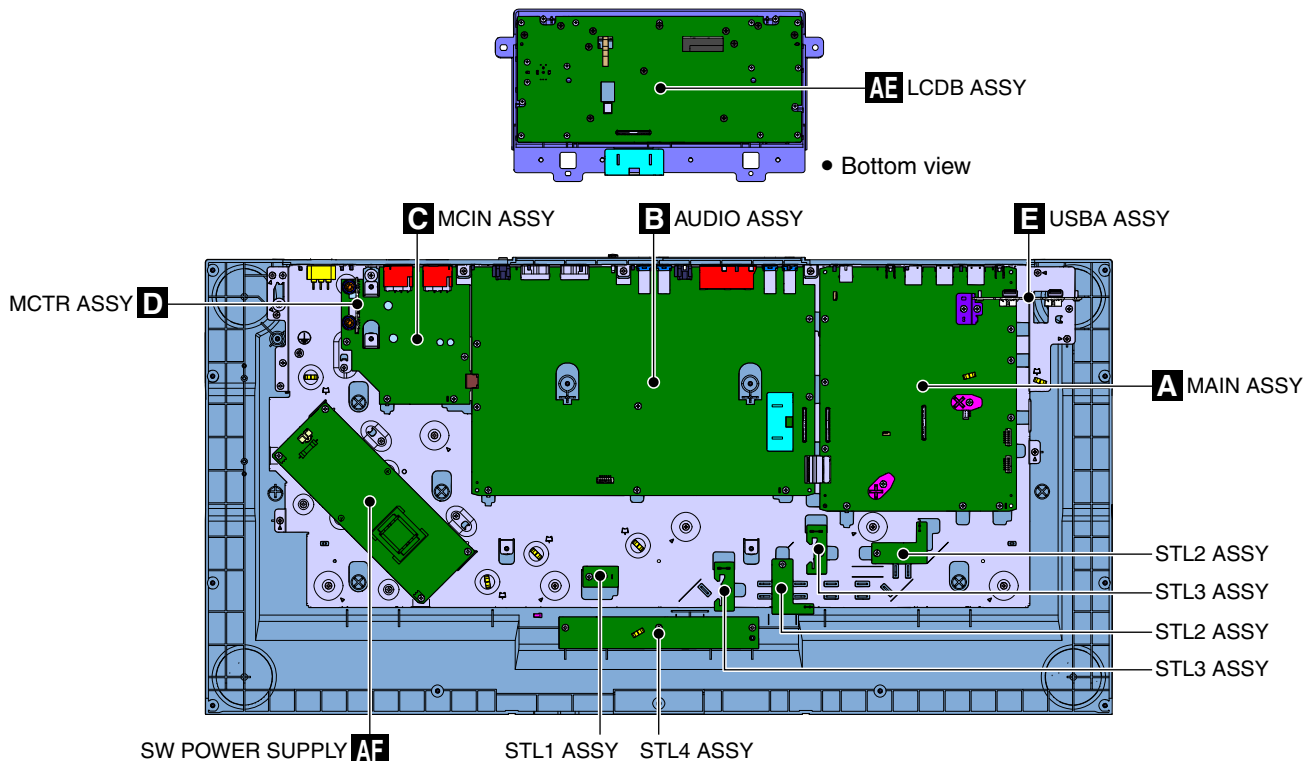
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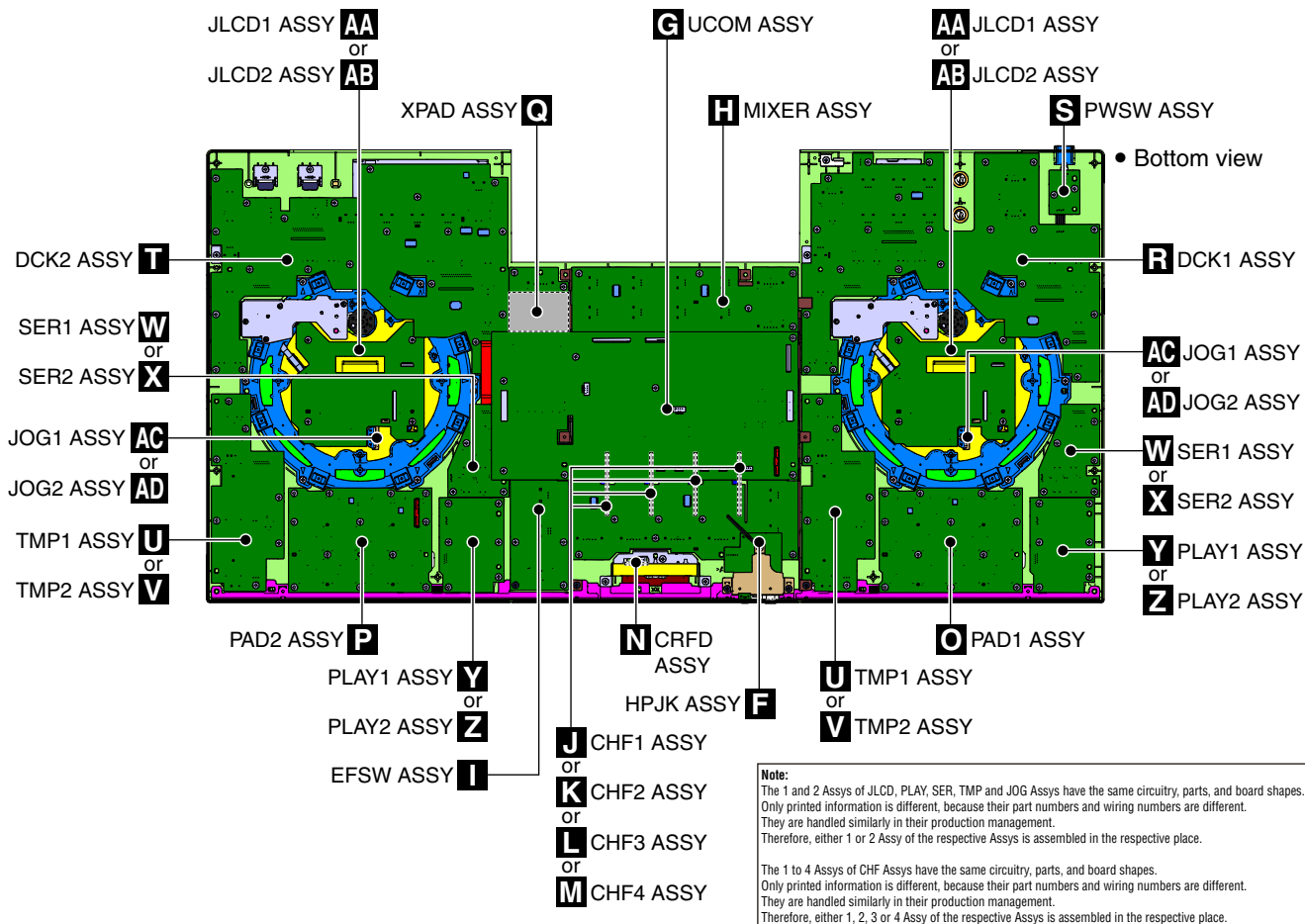
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3.3 PCB LOCATIONS

• Chassis Section



• Control Panel Section



A

NOTES: ● Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
 ● The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
 Therefore, when replacing, be sure to use parts of identical designation.

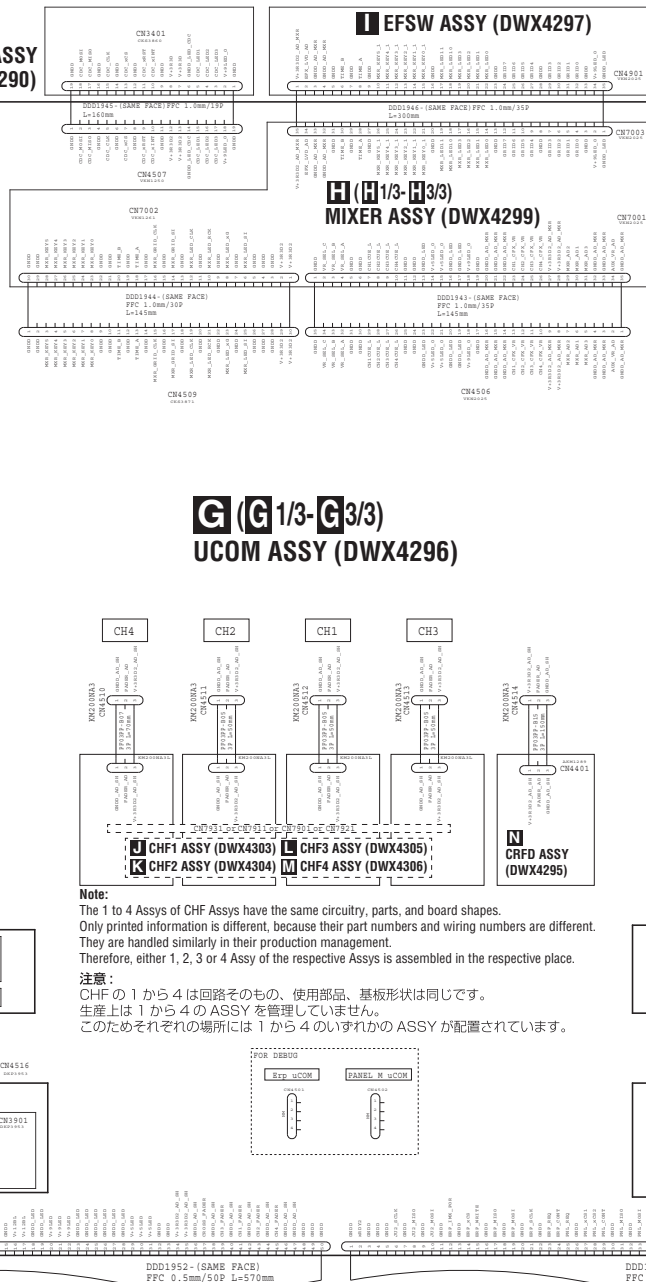
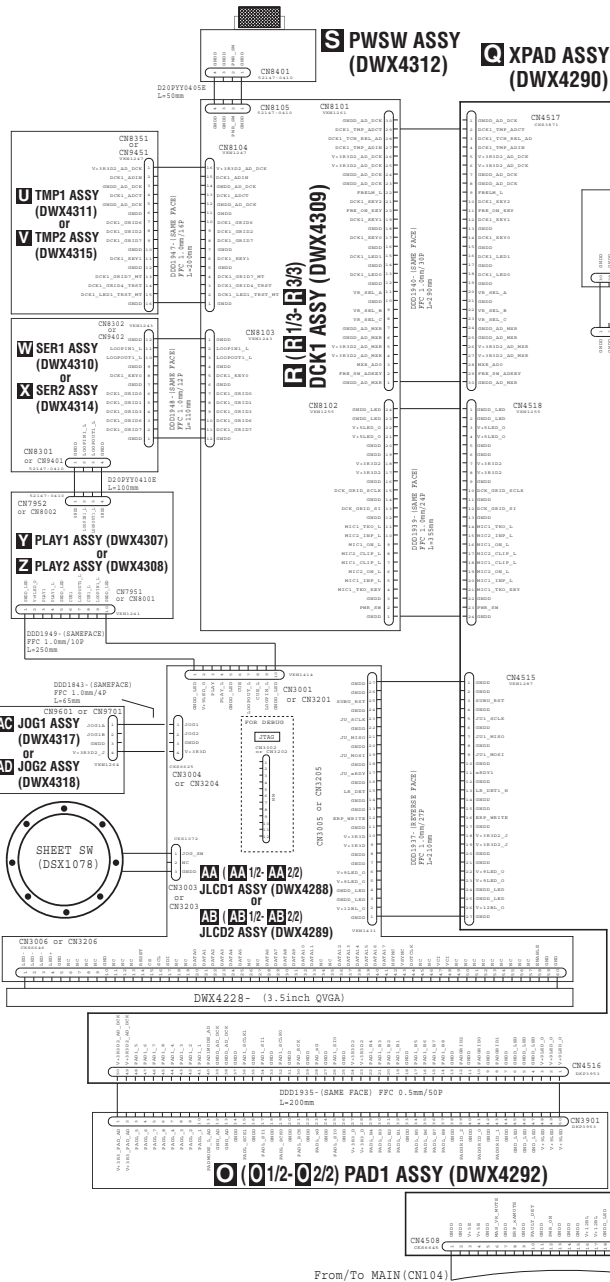
Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
LIST OF ASSEMBLIES							
		1..MAIN ASSY	DWX4287	NSP	1..UCOMA ASSY	DWM2721	
					2..UCOM ASSY	DWX4296	
					2..EFSW ASSY	DWX4297	
NSP	1..PADA ASSY	DWM2720					
	2..LCDB ASSY	DWX4291					
	2..PAD1 ASSY	DWX4292			1..MIXER ASSY	DWX4299	
	2..PAD2 ASSY	DWX4293					
	2..USBA ASSY	DWX4294					
B				NSP	1..PNL1 ASSY	DWM2725	
	2..CRFD ASSY	DWX4295			2..DCK1 ASSY	DWX4309	
					2..TMP1 ASSY	DWX4311	
NSP	1..JOGA ASSY	DWM2719			2..PWSW ASSY	DWX4312	
	2..JLCD1 ASSY	DWX4288			2..CHF3 ASSY	DWX4305	
	2..JLCD2 ASSY	DWX4289					
	2..XPAD ASSY	DWX4290			2..STL1 ASSY	DWX4319	
					2..STL2 ASSY	DWX4320	
					2..STL3 ASSY	DWX4321	
	1..AUDIO ASSY	DWX4298					
				NSP	1..PNL2 ASSY	DWM2726	
NSP	1..SUBA ASSY	DWM2724			2..DCK2 ASSY	DWX4313	
	2..MCIN ASSY	DWX4300			2..TMP2 ASSY	DWX4315	
	2..HPJK ASSY	DWX4301			2..CHF4 ASSY	DWX4306	
C	2..MCTR ASSY	DWX4302			2..JOG1 ASSY	DWX4317	
	2..CHF1 ASSY	DWX4303					
					2..JOG2 ASSY	DWX4318	
	2..CHF2 ASSY	DWX4304			2..STL4 ASSY	DWX4322	
	2..PLAY1 ASSY	DWX4307					
	2..PLAY2 ASSY	DWX4308					
	2..SER1 ASSY	DWX4310		⚠	1..SW POWER SUPPLY	DWR1548	
	2..SER2 ASSY	DWX4314					

D

E

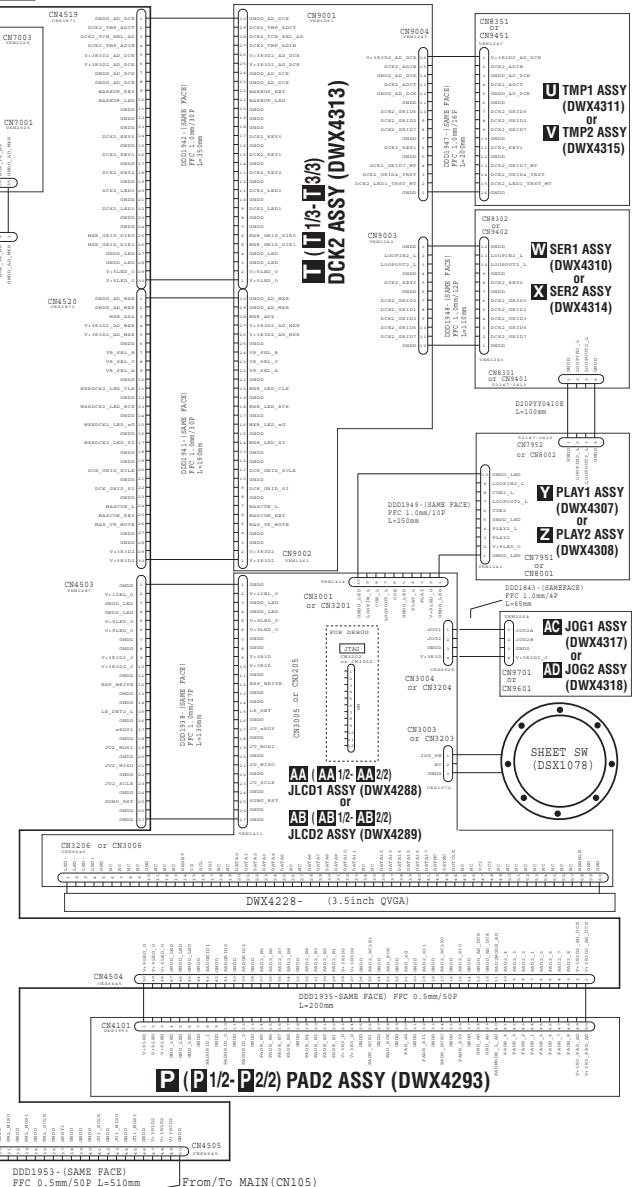
F

4. BLOCK DIAGRAM



Note:
The 1 and 2 Assys of JLCD, PLAY, SER, TMP and JOG Assys have the same circuitry, parts, and board shapes. Only printed information is different, because their part numbers and wiring numbers are different. They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

注意:
JLCD、PLAY、SER、TMP、JOG の 1 と 2 は回路そのもの、使用部品、基板形状は同じです。
生産上は 1 と 4 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 のどちらかの ASSY が配置されています。



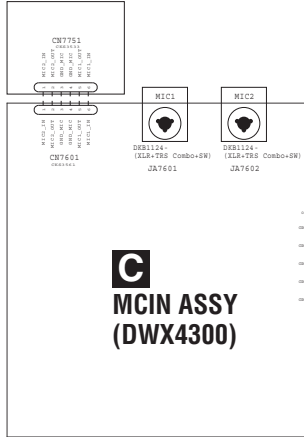
4. BLOCK DIAGRAM

4.1 OVERALL WIRING DIAGRAM (1/2)

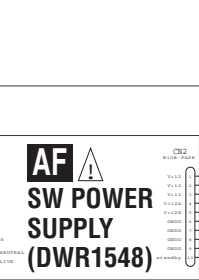
4.2 OVERALL WIRING DIAGRAM (2/2)

- When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "PCB PARTS LIST".
 - The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 - The power supply is shown with the marked box.
- 部品を発注する場合は、必ず「分解図と部品表」または「電気部品表」を参照してください。
- Δ 印の部品は、安全上重要な部品です。
- 交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。
- 印は電源の供給源を示しています。

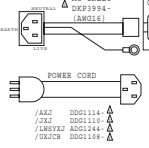
D MCTR ASSY (DWX4302)



C MCIN ASSY (DWX4300)



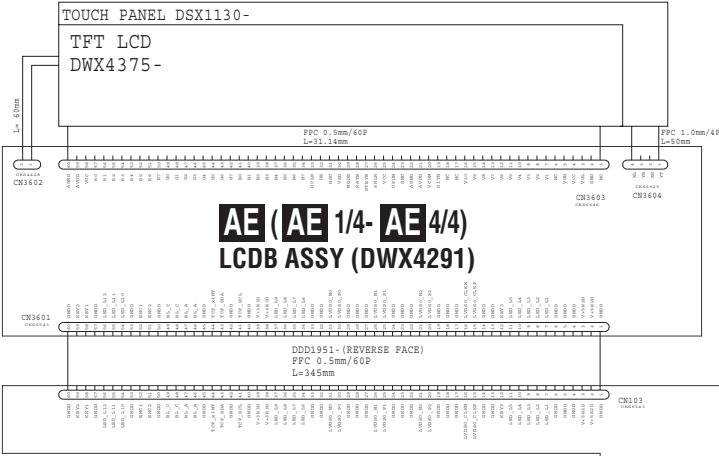
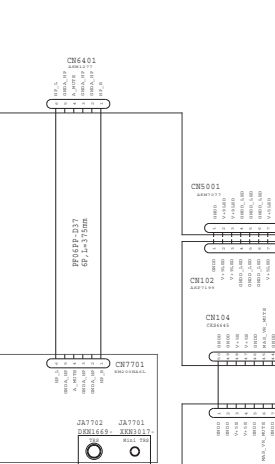
AF SW POWER SUPPLY (DWR1548)



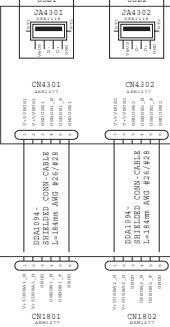
F HPJK ASSY (DWX4301)



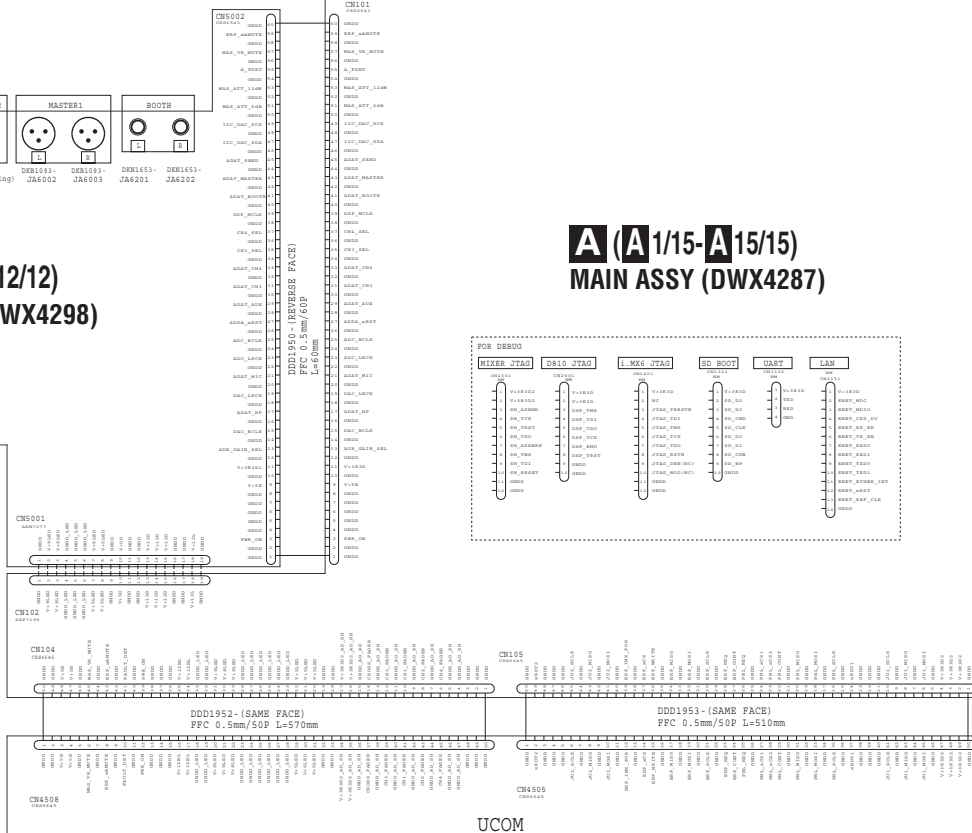
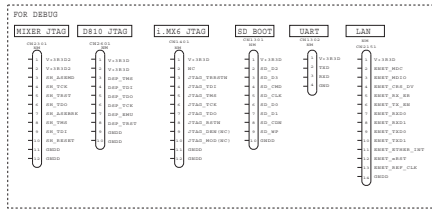
B (B 1/12-B 12/12) AUDIO ASSY (DWX4298)



E USBA ASSY (DWX4294)



A (A 1/15-A 15/15) MAIN ASSY (DWX4287)



A



4.5 MATRIX INFORMATION

Control UCOM List

UCOM Name	Ref No.	Assy Name
MAIN(i.MX)	IC701	MAIN
MIXER	IC2302	MAIN
JOGLCD1	IC3002	JLCD1
JOGLCD2	IC3202	JLCD2
PNLM	IC4505	UCOM
ERP	IC4502	UCOM

SW/VR (KEY/AD)

KEY MATRIX

DCK1									Control UCOM
	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5	GRID6	GRID7	ERP
DCK1_KEY0	T-SRCH ◀◀	SRCH ◀◀	REV	T-SRCH ▶▶	SLIP		SRCH ▶▶	SHIFT	
DCK1_KEY1	VINYL	SYNC	TMP RESET	MASTER	4Beat		TMP RANGE	MS TMP	
DCK1_KEY2	RELOOP	MEMORY	LOOP IN	DELETE	LOOP OUT		CUE CALL ▶	CUE CALL ◀	
DCK2									Control UCOM
	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5	GRID6	GRID7	ERP
DCK2_KEY0	T-SRCH ◀◀	SRCH ◀◀	REV	T-SRCH ▶▶	SLIP	USB1_STOP	SRCH ▶▶	SHIFT	
DCK2_KEY1	VINYL	SYNC	TMP RESET	MASTER	4Beat	USB2_STOP	TMP RANGE	MS TMP	
DCK2_KEY2	RELOOP	MEMORY	LOOP IN	DELETE	LOOP OUT	TRK_MARK	CUE CALL ▶	CUE CALL ◀	
MIXER									Control UCOM
	MXR_GRID0	MXR_GRID1	MXR_GRID2	MXR_GRID3	MXR_GRID4	MXR_GRID5	MXR_GRID6	MXR_GRID7	PNLM
MXR_KEY0	CH3 INPUT SEL PC/LINE/PHONO	CH3 INPUT SEL PC/LINE/PHONO	AUX_OFF/LINE/POR TABLE	AUX_OFF/LINE/POR TABLE			CH4 INPUT SEL PC/LINE/PHONO	CH4 INPUT SEL PC/LINE/PHONO	
MXR_KEY1	CH3 CUE	CH1 CUE	CH2 CUE	CH4 CUE	FQ_LOW	FQ_MID	FQ_HI		
MXR_KEY2				BFX_CHSEL1	AUTO/TAP SW	TAP	MXR_QTZ	BFX_SEL1	
MXR_KEY3	CFX SPACE	CFX DUB ECHO	CFX SWEEP	BFX_CHSEL2	CFX SPACE	CFX DUB ECHO	CFX SWEEP	BFX_SEL2	
MXR_KEY4	CFX NOISE	CFX CRUSH	CFX FILTER	BFX_CHSEL3	CFX NOISE	CFX CRUSH	CFX FILTER	BFX_SEL3	
MXR_KEY5	BFX ON/OFF	BFX ◀	BFX ▶	BFX_CHSEL4	BFX ON/OFF	BFX ◀	BFX ▶	BFX_SEL4	

DIRECT KEY/TIMER

DCK1	Control UCOM
PLAY	JOGLCD1
CUE	JOGLCD1
FBE_SW	PNLM
FBE ON/OFF	PNLM

DCK2	Control UCOM
PLAY	JOGLCD2
CUE	JOGLCD2
MAS REC/WAKEUP	ERP
PWR_SW	ERP
MASCUE	PNLM

LCD	Control UCOM
BRWS_ENC	MIXER

MIXER	Control UCOM
FBE_SW	PNLM

JOG1/JLCD1	Control UCOM
JOG_SW	JLCD1
JOG1	JLCD1
JOG2	JLCD1

JOG2/JLCD2	Control UCOM
JOG_SW	JLCD2
JOG1	JLCD2
JOG2	JLCD2

EFSW	Control UCOM
TIME	PNLM

DIRECT AD

PAD1&2	Control UCOM
PAD(1 to 8)	ERP

CHF1 to 4/CRF	Control UCOM
CHFADER_1 to 4	MIXER
CROSS FADER	MIXER

MIXER	Control UCOM
CH1 to 4_CFX_VR	PNLM
AUX_VR	PNLM

A ■ AD KEY (Resistive Dividing Voltage)

PAD1&2					Control UCOM
PADMODE_L	HOT CUE	AUTO BEAT LOOP	SLIP LOOP	BEAT JUMP	ERP
PADMODE_R	HOT CUE	AUTO BEAT LOOP	SLIP LOOP	BEAT JUMP	ERP
Voltage(typ)	0.0 V	0.4 V	0.8 V	1.2 V	

LCD							Control UCOM
LCD_KEY1	QUANTIZE	TIME MODE	USB2	USB1	LINK	rekordbox	MIXER
LCD_KEY2	LOAD2	ROTARY SEARCH	SHORTCUT	FILTER	BACK	TAG TRACK	MIXER
LCD_KEY3	LOAD1	MENU	INFO	INFO	TAG LIST	BROWSE	MIXER
Voltage(typ)	0.0 V	0.4 V	0.8 V	1.2 V	1.7 V	2.2 V	

MIXER/DCK1					Control UCOM
	SW position				
	OPEN (THRU)	A	THRU	B	
		OFF	-	ON	
MIC1_SW (OFF/ON)	-	1.6 V	-	0.0 V	MIXER
MIC2_SW (OFF/ON)	-	1.6 V	-	0.0 V	
CH1_FDSW (A/THRU/B)	3.3 V	1.8 V	1.0 V	0.0 V	
CH2_FDSW (A/THRU/B)	3.3 V	1.8 V	1.0 V	0.0 V	
CH3_FDSW (A/THRU/B)	3.3 V	1.8 V	1.0 V	0.0 V	
CH4_FDSW (A/THRU/B)	3.3 V	1.8 V	1.0 V	0.0 V	
Voltage(typ)					

B

■ MULTIPLEXER AD

C

MIXER									
Multiplexer SW Signal	VR Select								
	VR_SEL_C	0	0	0	0	1	1	1	1
	VR_SEL_B	0	0	1	1	0	0	1	1
MultiplexerAD OUTPUT Signal	VR_SEL_A	0	1	0	1	0	1	0	1
	MXR_AD0	MIC1_SW (OFF/ON)	MIC2_SW (OFF/ON)	MIC1_LOW	MIC2_LOW	MIC1_MID	MIC2_MID	MIC1_HI	MIC2_HI
	MXR_AD1	CH2_FDSW (A/THRU/B)	CH1_FDSW (A/THRU/B)	CH3_FDSW (A/THRU/B)	CH4_FDSW (A/THRU/B)	CFX_PARAM	EFX_LVD (Level/depth)	HP_MIX	HP_LV
	MXR_AD2	CH1_HI	CH1_MID	CH1_LOW	CH1_TRIM	CH2_TRIM	CH2_LOW	CH2_HI	CH2_MID
	MXR_AD3	CH3_HI	CH3_MID	CH3_LOW	CH3_TRIM	CH4_HI	CH4_MID	CH4_LOW	CH4_TRIM
	MXR_AD2	CH2_MID	CH2_LOW	CH2_TRIM	CH2_HI	CH4_TRIM	CH4_LOW	CH4_HI	CH4_MID
	MXR_AD3	CH3_MID	CH3_LOW	CH3_TRIM	CH3_HI	CH1_TRIM	CH1_LOW	CH1_HI	CH1_MID
	MXR_AD4	MAS LV	MAS_MID	-	MAS_LOW	MAS_HI	-	BOOTH_LV	-

IC: TC74HC4051AF

D

LED

■ LED MATRIX

DCK1									Control UCOM
	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5	GRID6	GRID7	ERP
DCK1_LED0			REV		RELOOP		VINYL	MASTER	
DCK1_LED1			SLIP		TMP_RST		SYNC	MT	

DCK2									Control UCOM
	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5	GRID6	GRID7	ERP
DCK2_LED0			REV		RELOOP	USB STOP1	VINYL	MASTER	
DCK2_LED1			SLIP		TMP_RST	USB STOP2	SYNC	MT	

E

	GRID_DIR0	GRID_DIR1	Control UCOM
MXRDCK2_LED0	MASL Lv 15	MASR Lv 15	PNLM
MXRDCK2_LED1	MASL Lv 12	MASR Lv 12	
MXRDCK2_LED2	MASL Lv 9	MASR Lv 9	
MXRDCK2_LED3	MASL Lv 6	MASR Lv 6	
MXRDCK2_LED4	MASL Lv 3	MASR Lv 3	
MXRDCK2_LED5	MASL Lv 0	MASR Lv 0	
MXRDCK2_LED6	MASL Lv -3	MASR Lv -3	
MXRDCK2_LED7	MASL Lv -6	MASR Lv -6	
MXRDCK2_LED8	MASL Lv -9	MASR Lv -9	
MXRDCK2_LED9	MASL Lv -15	MASR Lv -15	
MXRDCK2_LED10	MASL Lv -24	MASR Lv -24	
MXRDCK2_LED11	MAS_CLIP		

F

MIXER									Control UCOM
MXR_LED0	FQ_LOW	FQ_LOW	CH1 Lv 15	CH2 Lv 15	CH3 Lv 15	CH4 Lv 15			PNLM
MXR_LED1	FQ_MID	FQ_MID	CH1 Lv 12	CH2 Lv 12	CH3 Lv 12	CH4 Lv 12			
MXR_LED2	FQ_HI	FQ_HI	CH1 Lv 9	CH2 Lv 9	CH3 Lv 9	CH4 Lv 9			
MXR_LED3	TAP	TAP	CH1 Lv 6	CH2 Lv 6	CH3 Lv 6	CH4 Lv 6			
MXR_LED4	CFX1	CFX1	CH1 Lv 3	CH2 Lv 3	CH3 Lv 3	CH4 Lv 3			
MXR_LED5	CFX2	CFX2	CH1 Lv 0	CH2 Lv 0	CH3 Lv 0	CH4 Lv 0			
MXR_LED6	CFX3	CFX3	CH1 Lv -3	CH2 Lv -3	CH3 Lv -3	CH4 Lv -3			
MXR_LED7	CFX4	CFX4	CH1 Lv -6	CH2 Lv -6	CH3 Lv -6	CH4 Lv -6			
MXR_LED8	CFX5	CFX5	CH1 Lv -9	CH2 Lv -9	CH3 Lv -9	CH4 Lv -9			
MXR_LED9	CFX6	CFX6	CH1 Lv -15	CH2 Lv -15	CH3 Lv -15	CH4 Lv -15			
MXR_LED10	MXR_QTZ	MXR_QTZ	CH1 Lv -24	CH2 Lv -24	CH3 Lv -24	CH4 Lv -24			
MXR_LED11	BFX ON	BFX ON							

PAD1					Control UCOM
PADL_Si0 PADL_SCK0 PAD_RCK PAD_xG	QA	PADGRID_0	PADGRID_1	PADGRID_2	ERP
	QB	PAD4_G	PAD8_G	BEAT_JUMP_B	
	QC	PAD4_R	PAD8_R	BEAT_JUMP_G	
	QD	DIMMER CONTROL			
	QE	PAD3_R	PAD7_R	SLIP_LOOP_R	
	QF	PAD3_G	PAD7_G	SLIP_LOOP_G	
	QG			SLIP_LOOP_B	
	QH1	DIMMER CONTROL			
	QA	PAD2_R	PAD6_R	AUTO_BEAT_LOOP_R	
PADL_Si1 PADL_SCK1 PAD_RCK PAD_xG	QB	PAD2_G	PAD6_G	AUTO_BEAT_LOOP_G	
	QC			AUTO_BEAT_LOOP_B	
	QD	DIMMER CONTROL			
	QE			HOT_CUE_B	
	QF	PAD1_G	PAD5_G	HOT_CUE_G	
	QG	PAD1_R	PAD5_R	HOT_CUE_R	
	QH1	DIMMER CONTROL			

PAD2					Control UCOM
PADR_S10 PADR_SCK0 PAD_RCK PAD_xG	QA	PADGRID_0	PADGRID_1	PADGRID_2	ERP
	QB	PAD4_G	PAD8_G	BEAT_JUMP_B	
	QC	PAD4_R	PAD8_R	BEAT_JUMP_G	
	QD	DIMMER CONTROL			
	QE	PAD3_R	PAD7_R	SLIP_LOOP_R	
	QF	PAD3_G	PAD7_G	SLIP_LOOP_G	
	QG			SLIP_LOOP_B	
	QH1	DIMMER CONTROL			
	QA	PAD2_R	PAD6_R	AUTO_BEAT_LOOP_R	
PADR_S11 PADR_SCK1 PAD_RCK PAD_xG	QB	PAD2_G	PAD6_G	AUTO_BEAT_LOOP_G	
	QC			AUTO_BEAT_LOOP_B	
	QD	DIMMER CONTROL			
	QE			HOT_CUE_B	
	QF	PAD1_G	PAD5_G	HOT_CUE_G	
	QG	PAD1_R	PAD5_R	HOT_CUE_R	
	QH1	DIMMER CONTROL			

LED DIRECT

DCK1	Control UCOM
LOOP IN1	JLCD1
LOOP OUT1	
WAKEUP/MAS REC	
PLAY1	PNLM
CUE1	
FBELM	
MIC1_CLIP	
MIC1_INPUT	
MIC2_CLIP	
MIC2_INPUT	
MIC1_ON	
MIC2_ON	

LCD	Control UCOM
QTZ(Quantize)	MAIN(I.MX)
USB2	
USB1	
LINK	
RKB(rekordbox)	
BROWSE	
TAG LIST	
INFO	
MENU	
BROWSE ENC(ILM)	
DCK1	
DCK2	

XPAD	Control UCOM
CDC_LED1	PNLM
CDC_LED2	
CDC_LED3	

DCK2	Control UCOM
LOOP IN2	JLCD2
LOOP OUT2	
PLAY2	
CUE2	PNLM
CUE MAS	

JLCD1&2	Control UCOM
JOG1 LED	JLCD1
JOG2 LED	JLCD2

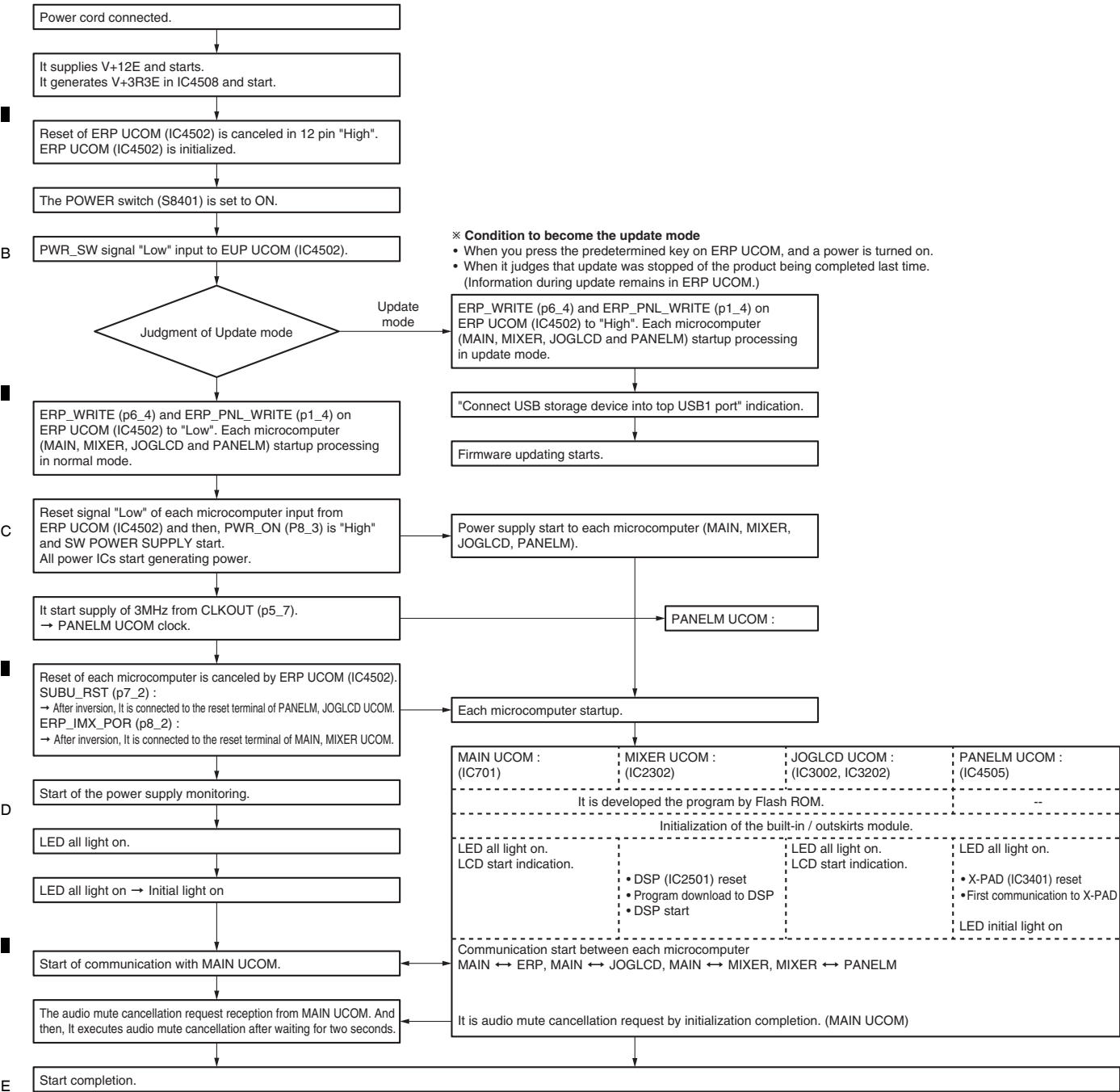
PAD1&2	Control UCOM
PAD1 BLUE(1 to 8)	ERP
PAD2 BLUE(1 to 8)	

MIXER	Control UCOM
CUE CH1	PNLM
CUE CH2	
CUE CH3	
CUE CH4	

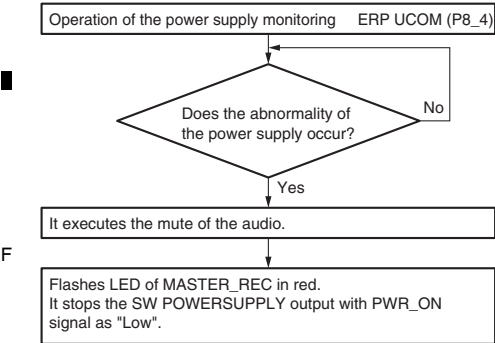
5. DIAGNOSIS

5.1 STARTUP SEQUENCE

A ■ STARTUP SEQUENCE



■ Monitoring of the power supply abnormality



5.2 TROUBLESHOOTING

Before starting troubleshooting, confirm that all cable connectors are properly engaged.

Before replacing a microcomputer, confirm also the items shown below.

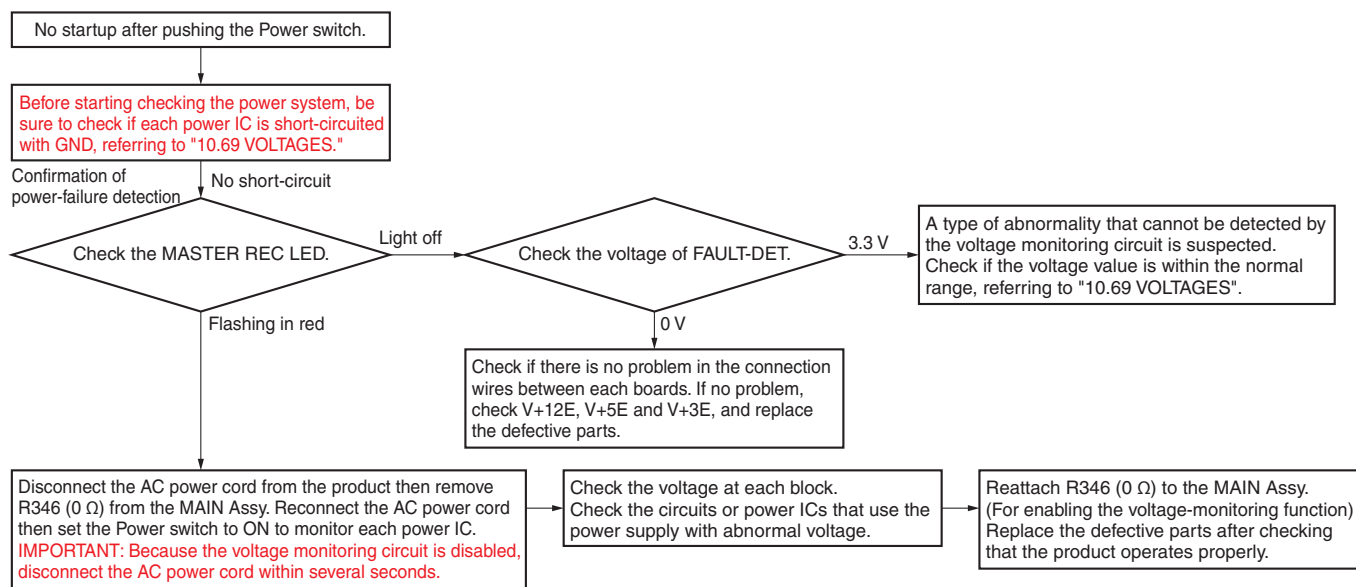
In a case where a failure of ERP UCOM (IC4502) is suspected

Confirm the voltage of ERP UCOM. And, confirm if the reset cancellation is performed normally.
UCOM Assy : V+3R3E (3.3 V)
IC4502-12 pin (RST) : 3.3 V
If no problem, replace ERP UCOM.
If the voltage is abnormal, confirm the peripheral circuit of ERP UCOM.

Failure in startup and in the communication system

Failure in the power system

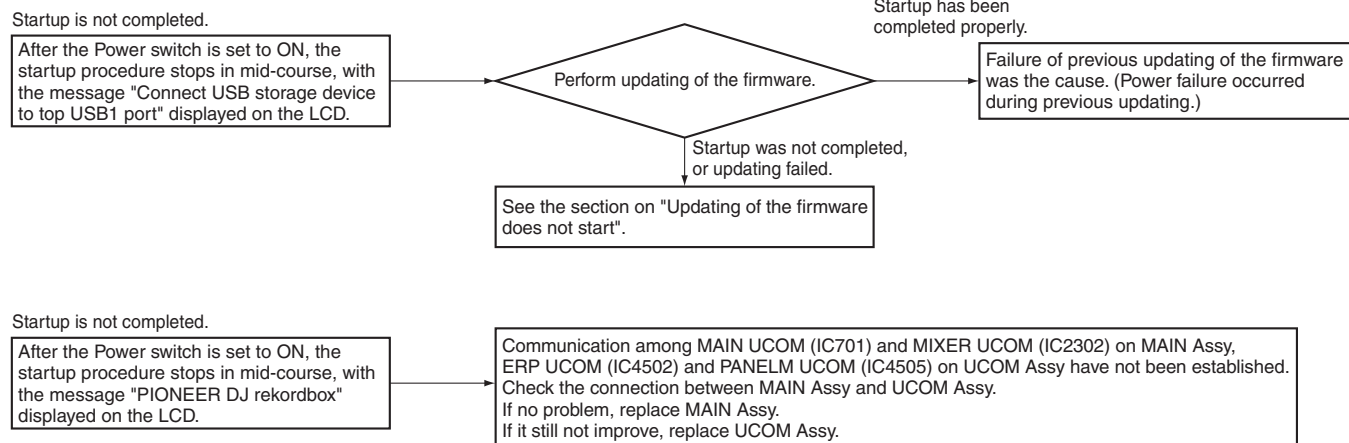
In the following diagnostic procedure, because power will be forcibly supplied even if any power circuit is abnormal, the defective point may produce heat and the circuit that uses the power supply may fail if power supply continues. Be sure to disconnect the AC power cord some seconds after it is connected during the diagnostic procedure so that the unit will not remain forcibly powered.



If the MASTER REC LED is flashing in red or the voltage of FAULT-DET is 0 V, it is recommended that the following circuits be confirmed first:

- Peripheral circuits of IC6605/6606 (V+18A/V-18A and V+7R5HP/V-7R5HP generation circuits)
- Q6603, Q6605, D6603, D6606, Q6602, Q6604, D6602, D6605

Failure in startup and in the communication system



A

Updating not available

Updating of the firmware does not start.

When the unit is started in Update mode, does the indication on the LCD become that for Update mode?

No

Check the keys (switches) in the DCK1 Assy, using the diagnosis in Test mode or referring to "No operation with keys (switches)."

- USB1 STOP
- RELOOP/EXIT

If the keys (switches) function normally, the ERP UCOM (IC4502) may be in failure. Replace it.

Yes

Check if the updating notification circuit on the UCOM Assy is normal.
Check ERP_WRITE while displaying the update mode.

Is the voltage at Pin 34 of CN4502 (ERP_WRITE) 3.3 V?

No

Replace the IC4502 (ERP UCOM).

Yes

Check if data on the USB memory device have been read. See "Data of the device (USB memory device, hard disk, etc.) connected to the USB A connector cannot be read" in this flowchart.

USB function is normal.

MAIN UCOM (IC701) cannot recognize the updating status. Check connection between the MAIN Assy and UCOM Assy.
Check also the line connected to Pin 36 of CN105 (ERP_WRITE) on the MAIN Assy. If no problem, MAIN UCOM (IC701) may be defective. Replace the MAIN Assy.

C

Updating not available

Updating of the firmware failed.
"Firmware update failed" is displayed.

Updating is not possible, because the program in the microcomputer is abnormal, the flash ROM, ERP UCOM or PANELM UCOM is in failure, or the communication line is in failure.
Check the LCD display during the update.

The updating status of the flash ROM (IC1102) in the MAIN Assy is displayed on the first line (MAIN).
The updating status of the ERP UCOM (IC4502) and PANELM UCOM (IC4505) in the UCOM Assy is displayed on the second line (ERP/SUB).
The updating status of the flash ROM (IC2302) in the MAIN Assy is displayed on the third line (MIXER).
The updating status of the flash ROM (IC3003/IC3203) in the JLCD1/JLCD2 Assy is displayed on the fourth and the fifth lines (JOGL/JOGR).

If the progress of a status bar is stopped in mid-course, rewriting of the corresponding ROM or microcomputer failed.

Rewriting of which one failed, the flash ROM or microcomputer?

Flash ROM

Check the connection of the periphery of the corresponding flash ROM. If no problem, replace the MAIN Assy.

ERP UCOM/PANELM UCOM

Check the connection between MAIN Assy and UCOM Assy. If no problems are found in peripheral circuits, connectors, or cables, replace ERP UCOM (IC4502) and PANELM UCOM (IC4505).

D

E

F

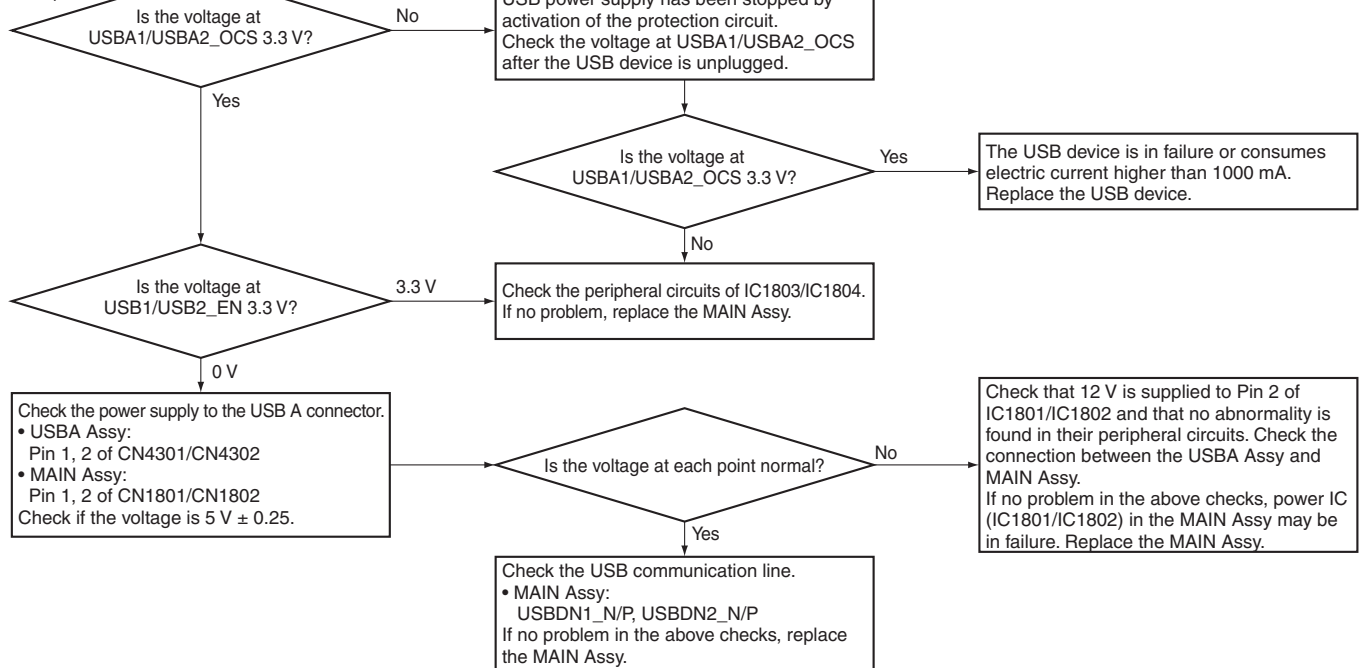
Confirmation of the USB A connector

Data from the device (USB memory device, hard disk, etc.) connected to the USB A connector cannot be read.

Check if the USB device is normal.
Note that a USB device that requires electric current higher than 1000 mA according to its specifications must not be used.
To such a USB device, USB power supply will be stopped by the protection circuit. Check the voltages at the following points with the USB device plugged in:

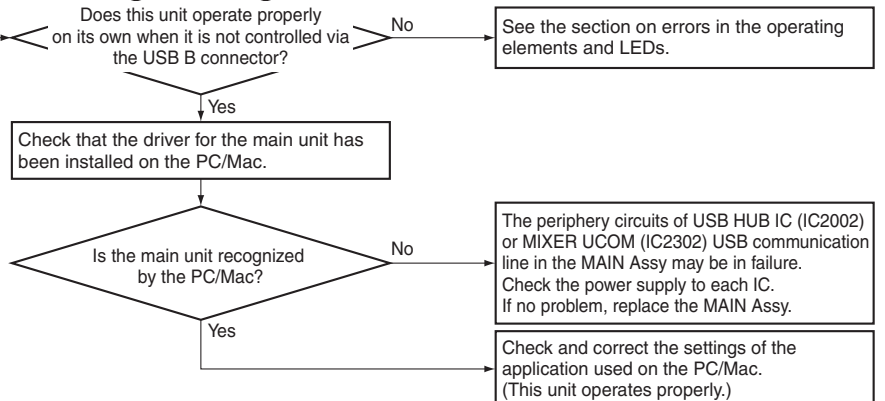
- MAIN Assy: Pin 8 of IC1803 (USB1_FAULT)
- MAIN Assy: Pin 8 of IC1804 (USB2_FAULT)

Confirmation of USB power



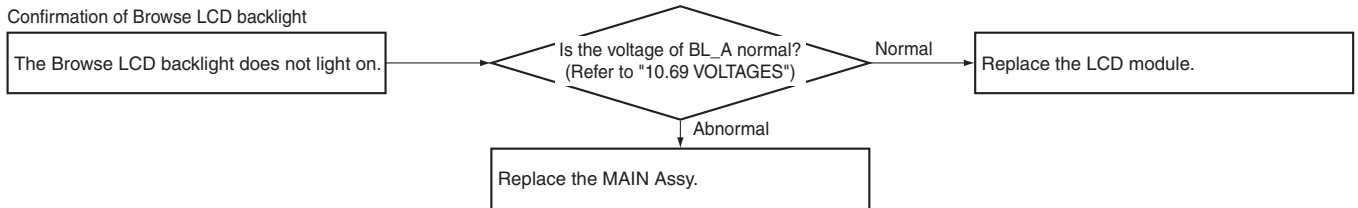
Confirmation of the USB B connector

This unit cannot be recognized or controlled by the PC/Mac that is connected via the USB B connector.



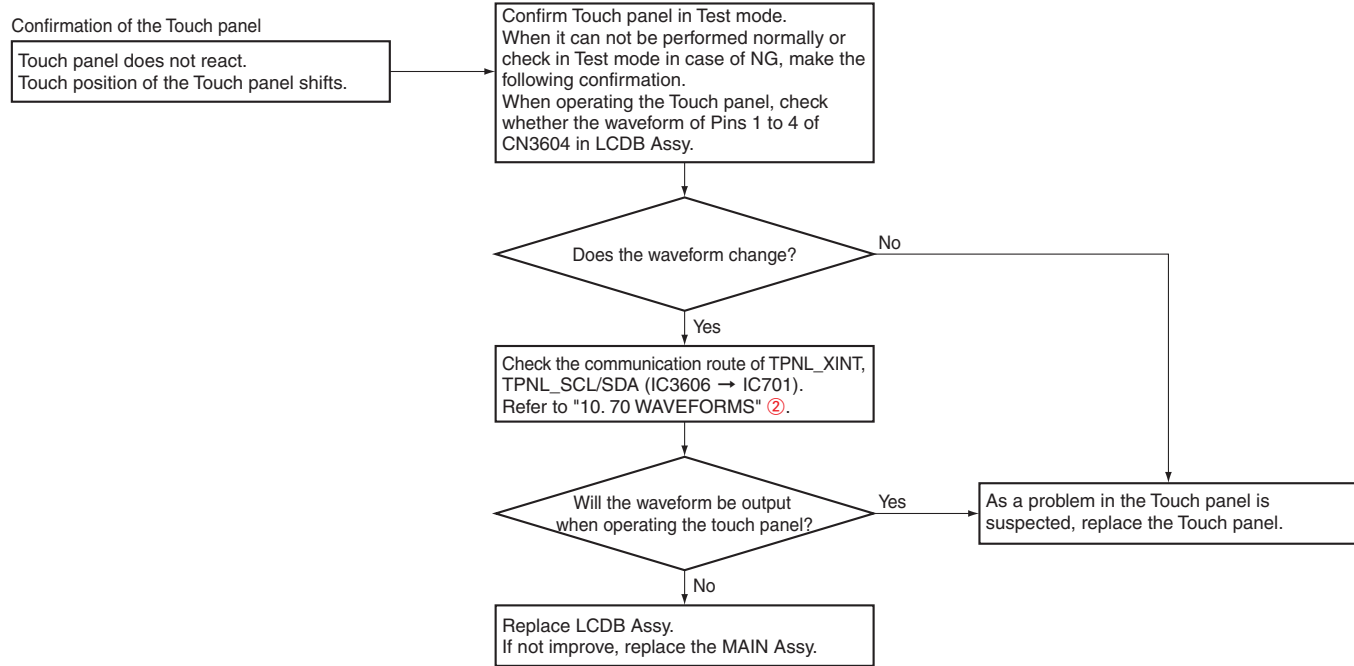
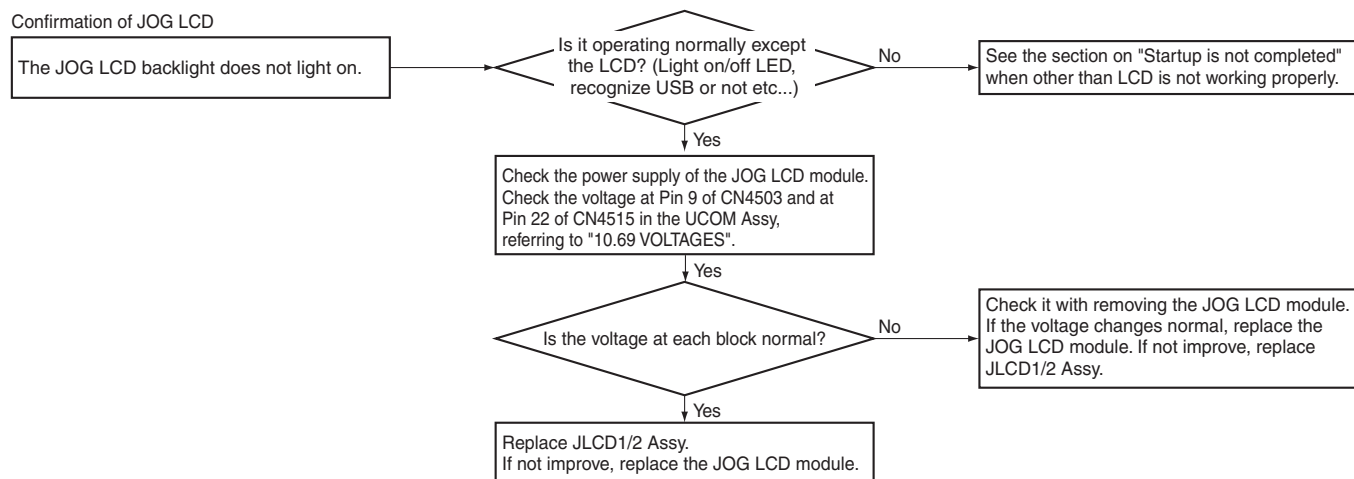
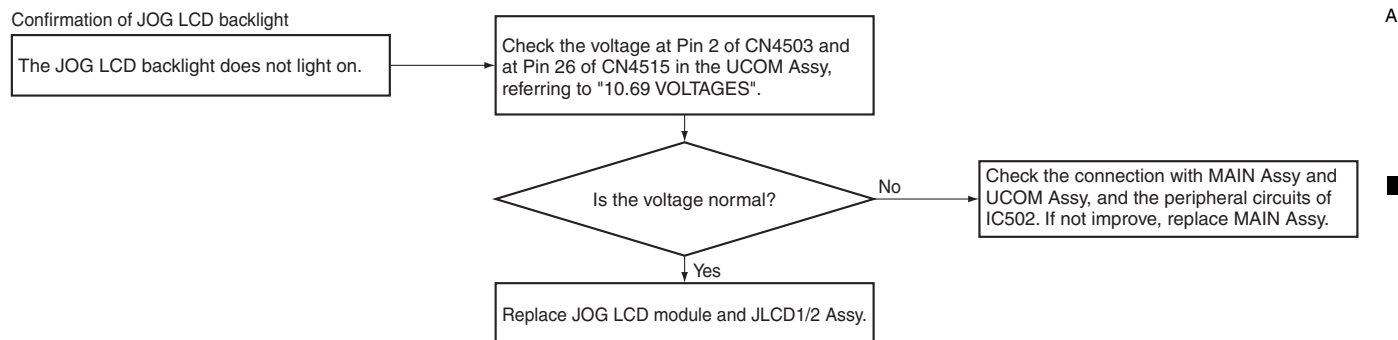
F

Connection between this unit and another device via LAN is not possible. (This unit cannot be recognized by rekordbox.)



Browse LCD is not displayed.
Browse LCD display is not normally.





A Trouble with the operating elements or LEDs

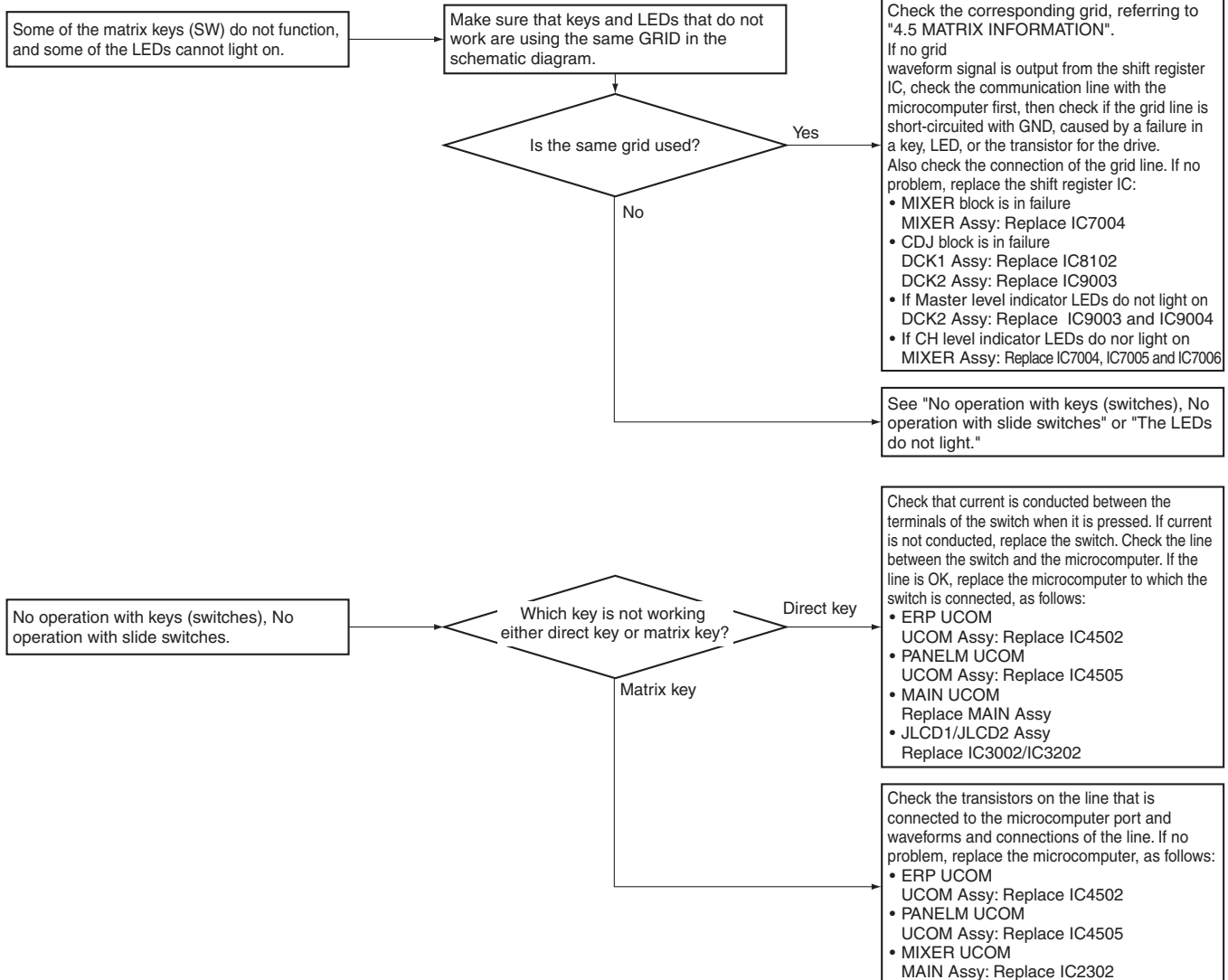
[Confirmation work in advance]

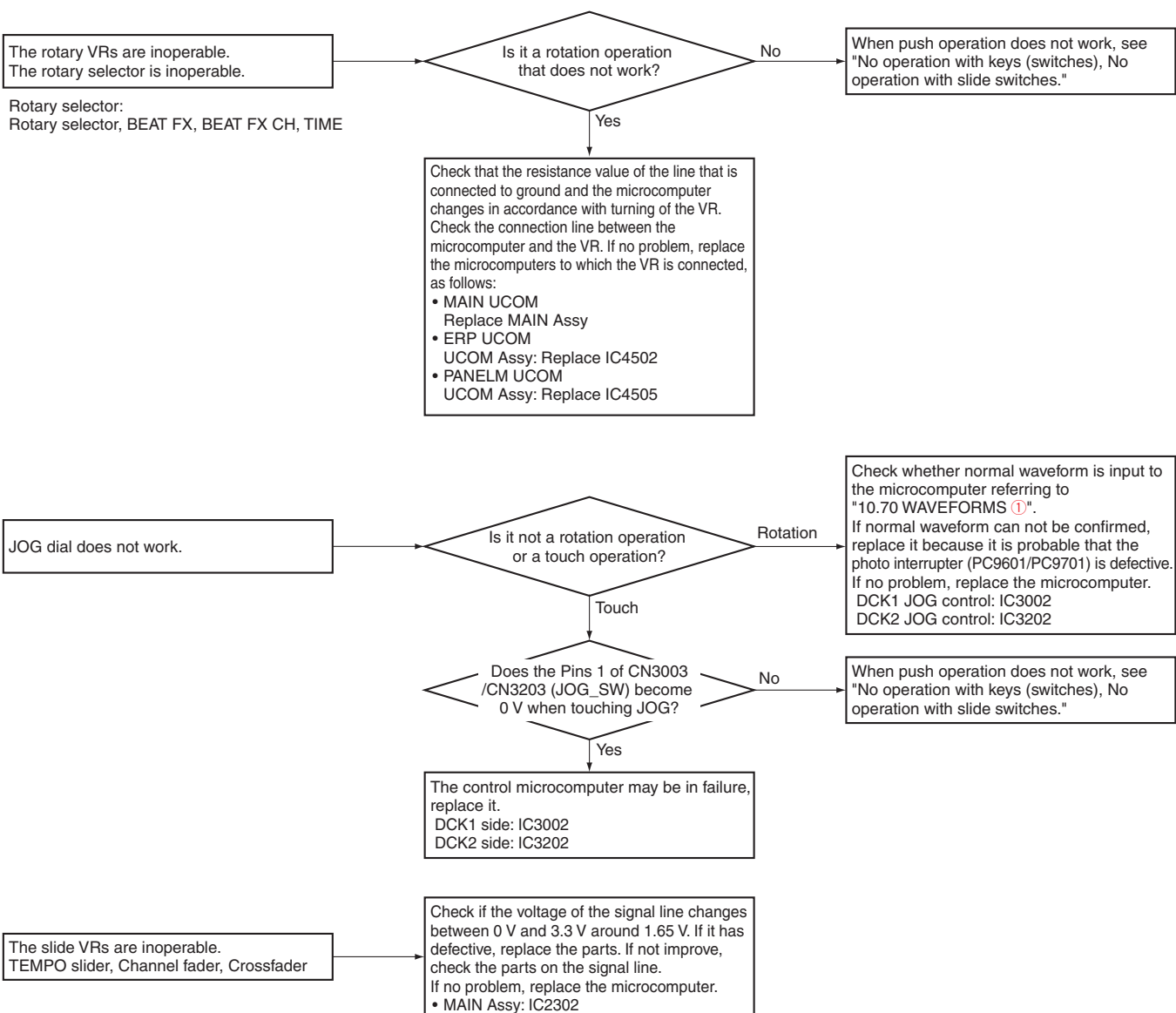
Confirm whether LED / operation is OK.

Please refer to "6.1 TEST MODE" and confirm whether there are problems with LEDs/elements.

If there is a problem, please repair the defective part. (See "Display trouble", "Operation trouble".)

When making a diagnosis, refer also to "4.5 MATRIX INFORMATION" for diagnosis.





A

The LEDs do not light on.

Find the abnormal part in Test mode.

Yes

Is there more than one abnormal part?

No

Is the abnormal part direct LED?

No

Replace the LED of the abnormal part.

Yes

Confirm the LED connection with the microcomputer (IC4502/IC4503/IC701/IC3002/IC3202) controlling the LED, and replace the parts if there is any abnormality. If no problem, replace the LED of the abnormal part.

B

C

Do no LEDs connected to the same grid light on?

Yes

Check the corresponding grid, referring to "4.5 MATRIX INFORMATION". And, check the connection with the shift register or microcomputer that controls the defective GRID. If no problem, replace the shift register or microcomputer.

- DCK1 Assy: Replace IC8102
- DCK2 Assy: Replace IC9005, IC9003, IC9004
- MIXER Assy: Replace IC7004, IC7005, IC7006
- PAD1/PAD2 Assy: Replace IC4502, IC3901/IC4101, IC3902/IC4102
- LCDB Assy: Replace MAIN Assy

No

Do no LEDs controlled of the same segment signals light on?

No

Replace the LED of the abnormal part.

Yes

Is the segment signal normal?

No

Check the LED connection with the microcomputer (IC4502/IC4503/IC701/IC3002/IC3202) controlling the LED. If no problem, then replace the microcomputer.

Yes

Replace the LED of the abnormal part.

D

E

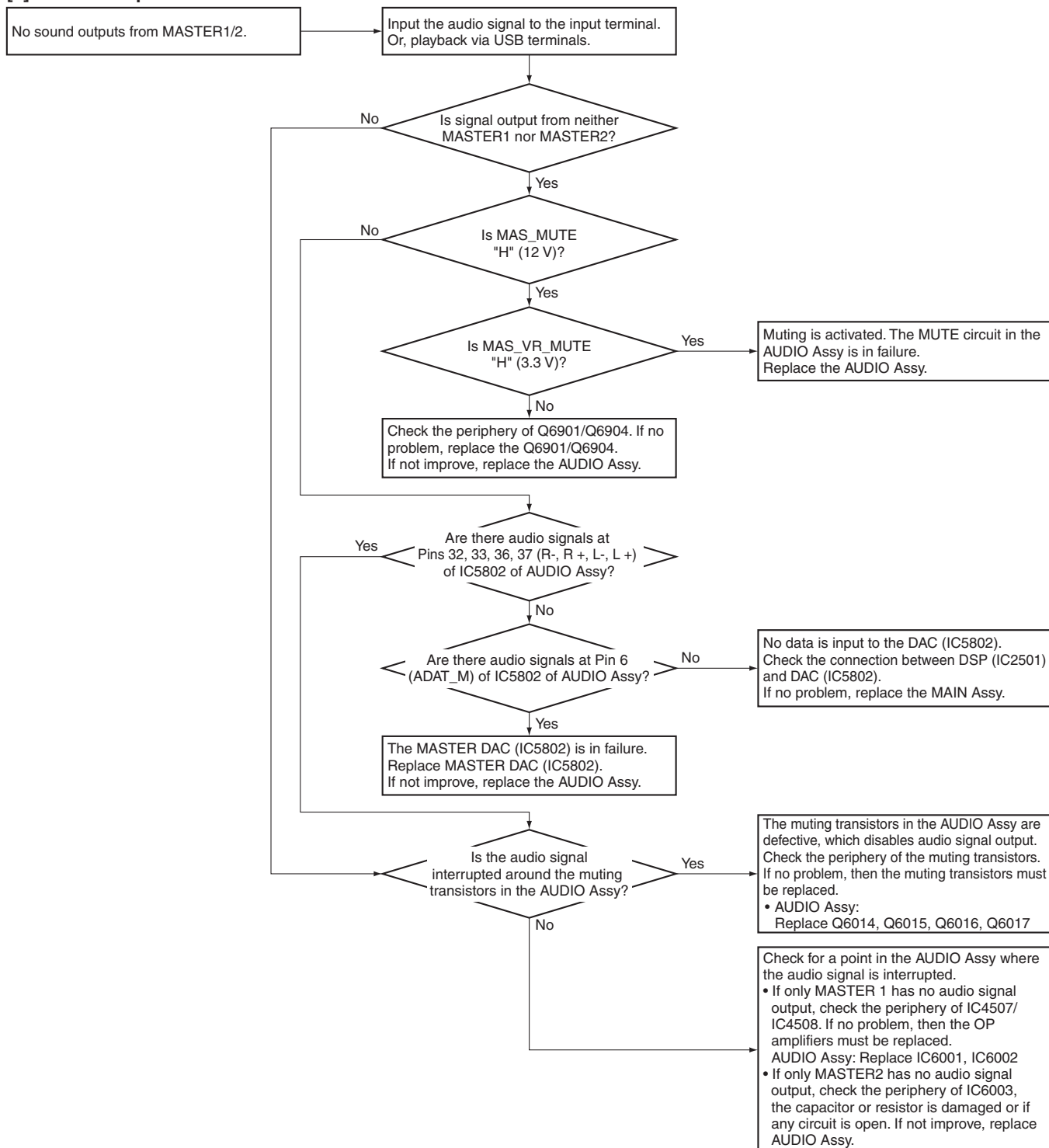
F

Trouble in the audio system

[Confirmation work in advance]

- ① It discriminates defective area in the input and output
Refer to "5.3 SIMPLIFIED DIAGNOSTIC PROCEDURE FOR AUDIO SIGNAL", divide which of input and output has defects.
If all signal has defect, it has the defect on the power of audio, the clock of audio or the circuit near DSP.
- ② It confirms whether there is a problem with the display or the operation.
Refer to "6.1 TEST MODE", it confirms whether there is a problem with the display or the operation.
If it has defect, repair the defective area. (Refer to flowchart about "Display trouble", "Operation trouble".)

[1] Error in output section



A

No sound outputs from BOOTH.

Input the audio signal to the input terminal.
Or, playback via USB terminals.Is A_MUTE
"H" (12 V)?

Yes

Muting is activated. The MUTE circuit in the
AUDIO Assy is in failure.
Replace the AUDIO Assy.

No

Are there audio signals at
Pins 24, 25, 28, 29 (R-, R +, L-, L +)
of IC5802 of the AUDIO Assy?

Yes

No

Are there audio signals at Pin 5 (ADAT_B)
of IC5802 of the AUDIO Assy?

Yes

The MASTER DAC (IC5802) is in failure.
Replace MASTER DAC (IC5802).
If not improve, replace the AUDIO Assy.

No

No data is input to the DAC (IC5802).
Check the connection between DSP (IC2501)
and DAC (IC5802).
If no problem, replace the MAIN Assy.Is the audio signal
interrupted around the muting
transistors in the AUDIO Assy?

Yes

The muting transistors in the AUDIO Assy are
defective, which disables audio signal output.
Check the periphery of the muting transistors.
If no problem, then the muting transistors must
be replaced.
• AUDIO Assy: Repace Q6201-Q6208

No

Check for a point in the AUDIO Assy where
the audio signal is interrupted. And, replace it.
If not improve, replace AUDIO Assy.

B

C

D

E

F

No sound outputs from SEND.

Input the audio signal to the input terminal.
Or, playback via USB terminals.
Set the Beat FX channel setting to the
playback channel.Is A_MUTE
"H" (12 V)?

Yes

Muting is activated. The MUTE circuit in the
AUDIO Assy is in failure.
Replace the AUDIO Assy.

No

Are there audio signals at
Pins 38, 39, 42, 43 (R-, R +, L-, L +)
of IC5802 of the AUDIO Assy?

Yes

No

Are there audio signals at
Pin 7 (ADAT_S) of IC5802
of AUDIO Assy?

Yes

The MASTER DAC (IC5802) is in failure.
Replace MASTER DAC (IC5802).
If not improved, replace the AUDIO Assy.

No

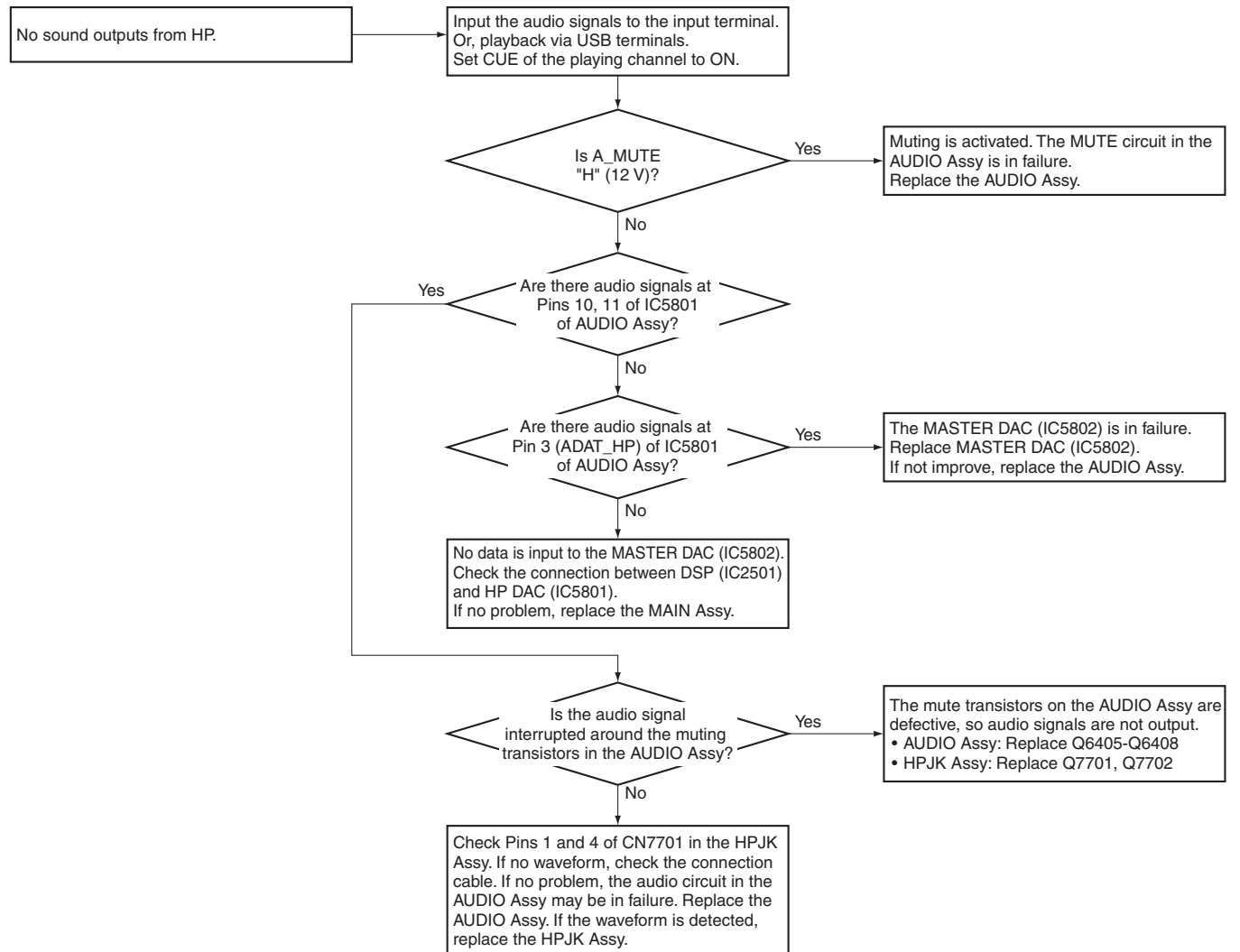
No data is input to the DAC (IC5802).
Check the connection between DSP (IC2501)
and DAC (IC5802).
If no problem, replace the MAIN Assy.Is the audio signal
interrupted around the muting
transistors in the AUDIO Assy?

Yes

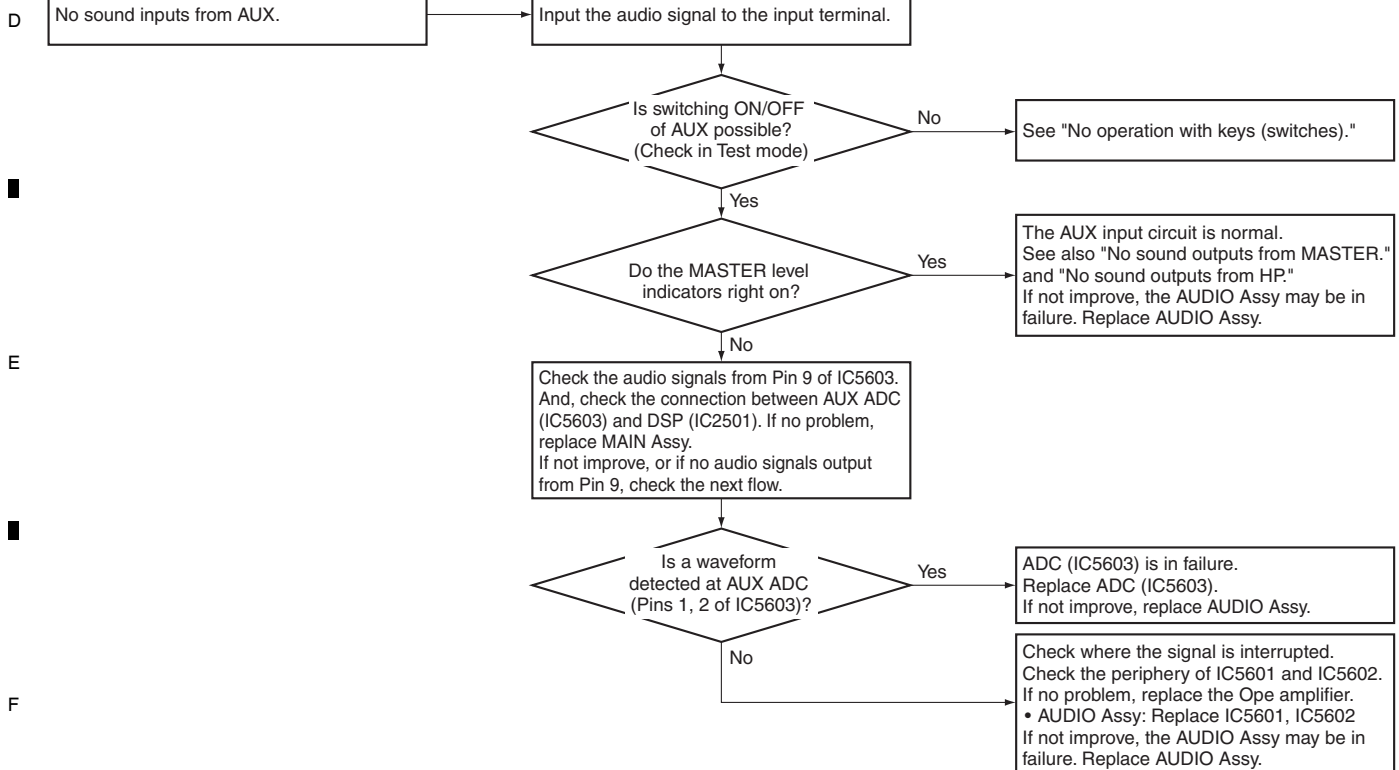
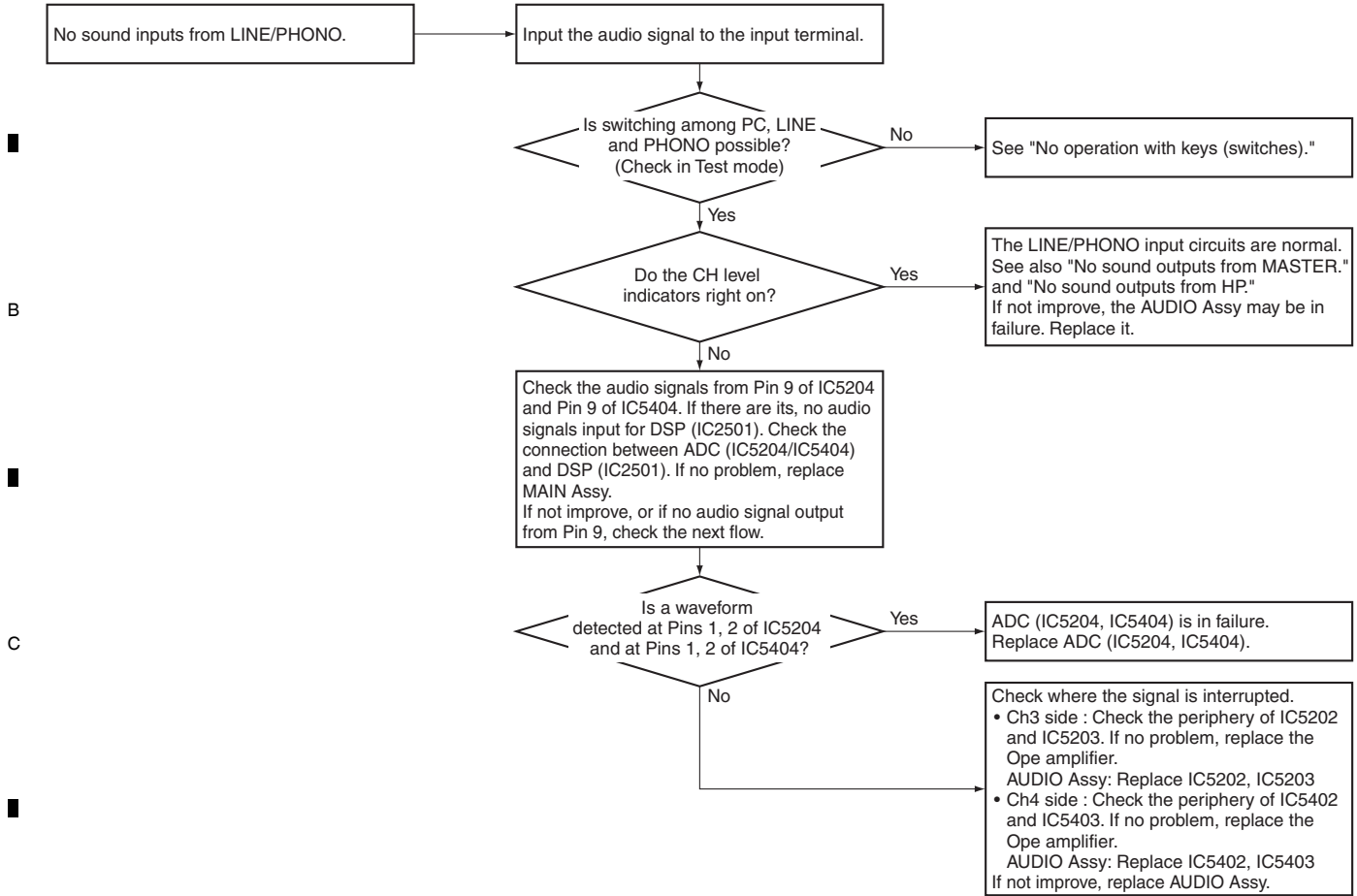
The muting transistors in the AUDIO Assy are
defective, which disables audio signal output.
Check the periphery of the muting transistors.
If no problem, then the muting transistors must
be replaced.
• AUDIO Assy: Replace Q6401, Q6402

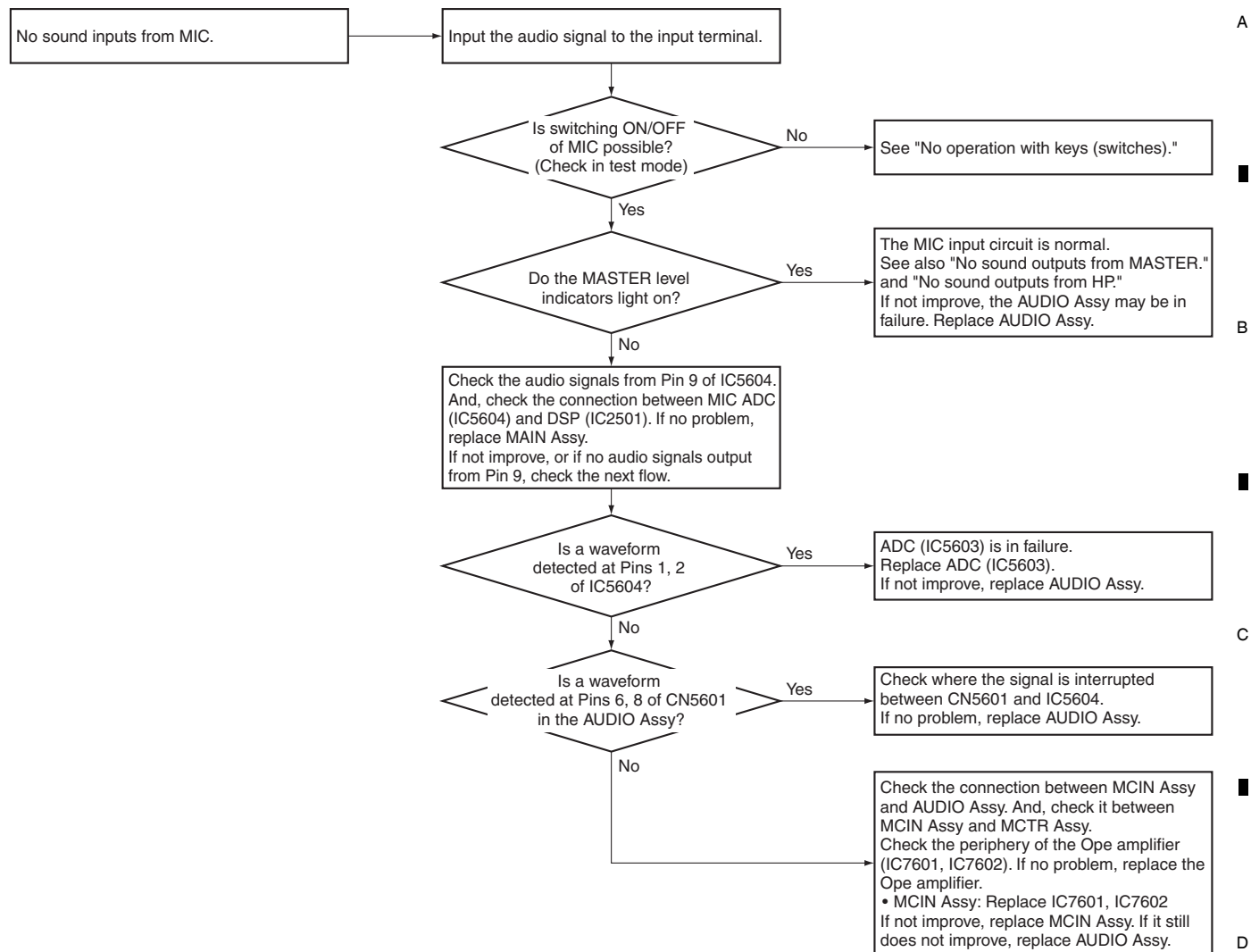
No

Check for a point in the AUDIO Assy where
the audio signal is interrupted. And, replace it.
If not improved, replace AUDIO Assy.



A [2] Error in input section





1 2 3 4

5.3 SIMPLIFIED DIAGNOSTIC PROCEDURE FOR AUDIO SIGNAL

A

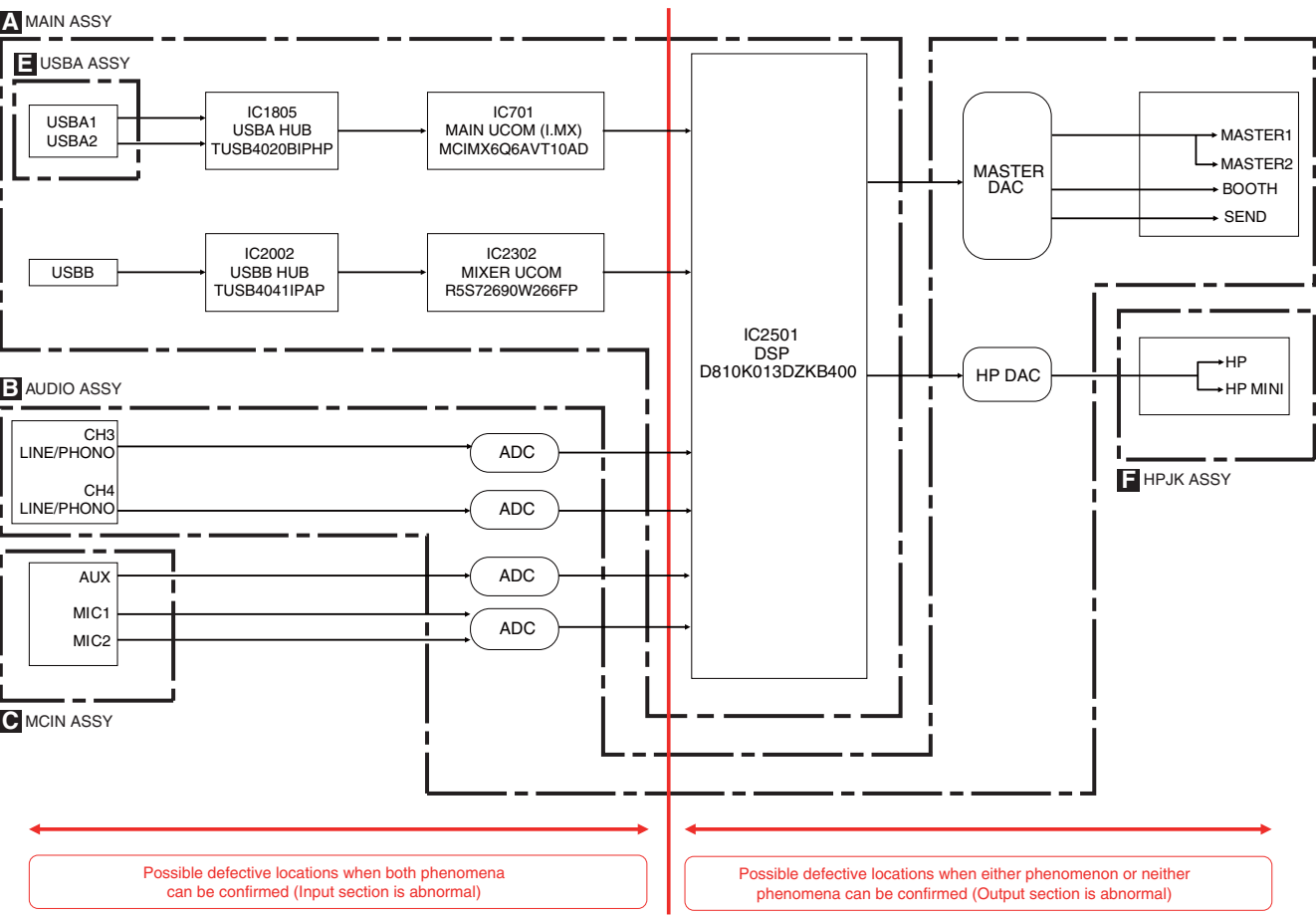
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5.4 VOLTAGE MONITORING CIRCUIT

■ Voltage-Monitoring

This unit monitors the voltages of the main power-supply ICs, using the F_DET (FAULT_DET) signal. The F_DET signal level is high (+3.3 V) during normal operations. When the level becomes low (0 V), detect abnormality in the ERP UCOM (IC4502).

■ Product behavior when an error is generated

If power failure is detected with the F_DET signal (F-DET signal consists with the interval Low levels more than 50 ms), the ERP UCOM will stop supplying the V+12D/V+12L/V+12A power from SW POWER SUPPLY, setting the PWR_ON signal to low.

The ERP UCOM also informs of power failure with flashing of the MASTER REC (WAKE UP) (red LED) button, by sending the WAKEUP_LED signal:

As the V+12D/V+12L/V+12A power is stopped, the indications other than the MASTER REC (WAKE UP) are unlit and all the switches and VRs are disabled. When you let you return from a power supply abnormality detection state, perform drawing and inserting of the power cord.



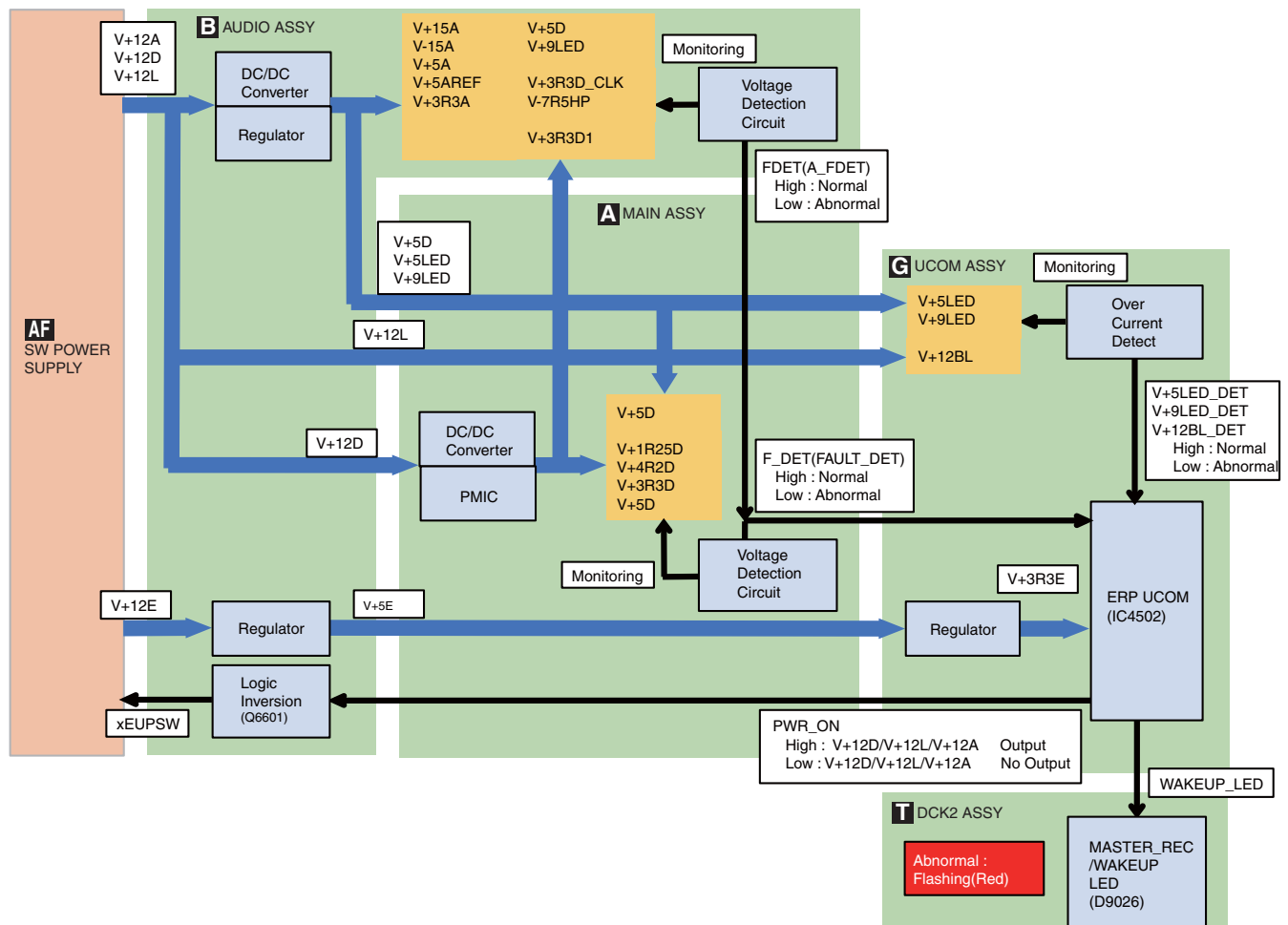
■ Diagnostic procedure

Note: Each time before turning the unit ON, make sure that each power-supply IC is not short-circuited to GND.

If any voltage is abnormal, that error will be detected by the voltage-monitoring program after it is started after a usual startup of the unit. Then the V+12D/V+12L/V+12A power from SW POWER SUPPLY will be stopped.

Identify which power-supply IC is defective, by duplicate drawing and inserting of the power cord while monitoring each voltage with an oscilloscope. Check the value of each voltage immediately before stopping power supply.

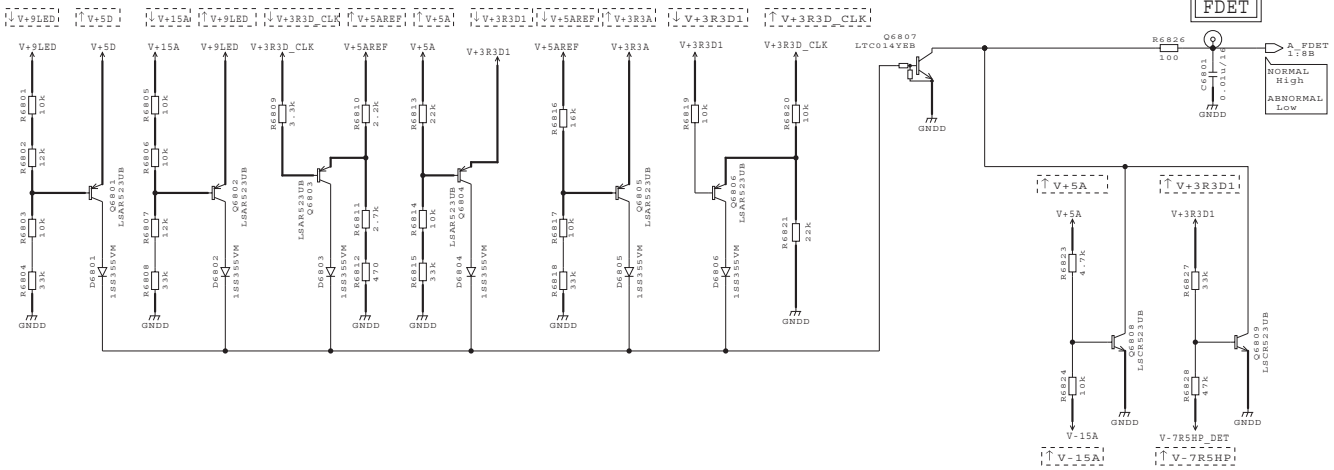
■ Voltage-Monitoring Circuit Block diagram



A Voltage-Monitoring Circuit diagram

B AUDIO ASSY

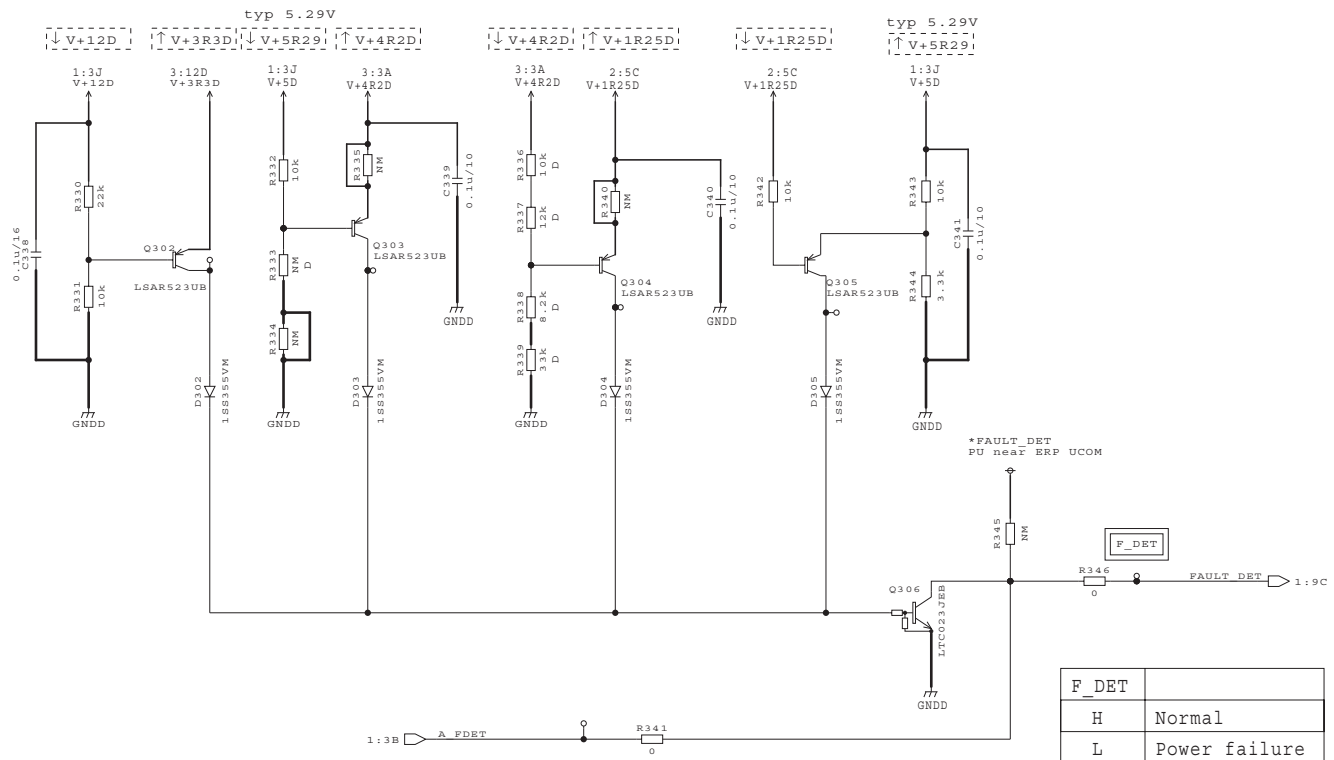
VOLTAGE DETECTION CIRCUIT



C

A MAIN ASSY

VOLTAGE DETECTION CIRCUIT



A



C



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F

5.5 ERROR DISPLAY

A

Error code	Display word	Contents	Remarks
E-7020	USB-B DEVICE ERROR	USB-B controller does not work normally.	
E-7206	AUTH CHIP ERROR	Apple authentication chip does not work normally.	
E-8302	CANNOT PLAY TRACK	Abnormalities occurred during playback.	
E-8304	UNSUPPORTED FILE FORMAT	Decoding error occurred.	
E-8305	UNSUPPORTED FILE FORMAT	This format is not supported.	
E-8306	NO FILE	The registered file does not exist.	
E-8307	• DEVICE NO RESPONSE. • UNSUPPORTED DEVICE. • HUBS ARE NOT SUPPORTED.	• Device no response. • Unsupported device. • Hubs are not supported.	USB ACCESS ERROR An unsupported USB device is connected. Either of the three error types will be displayed.
E-8309	LINK ACCESS ERROR	Link access failed due to timeout errors.	
E-8709	COMMUNICATION ERROR	Cannot communicate with the Display microcomputer.	

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6. SERVICE MODE

6.1 TEST MODE

Description of Test Modes

The Following seven test modes are provided for this unit:

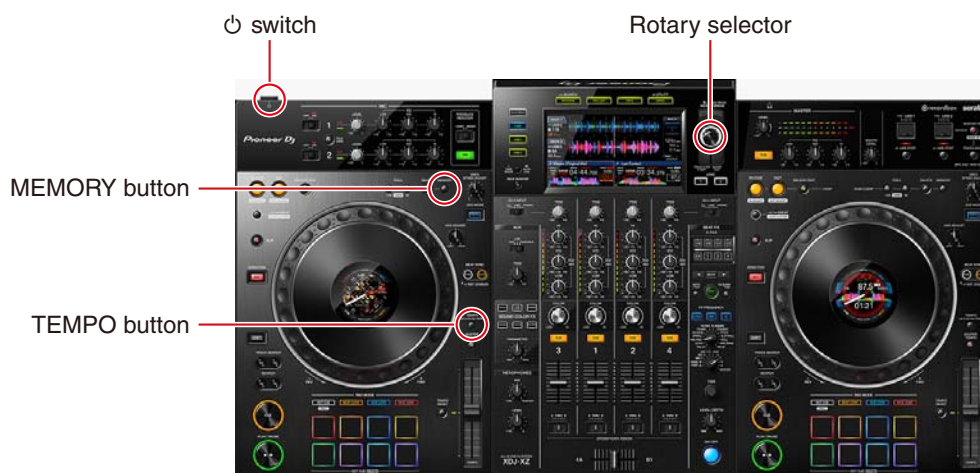
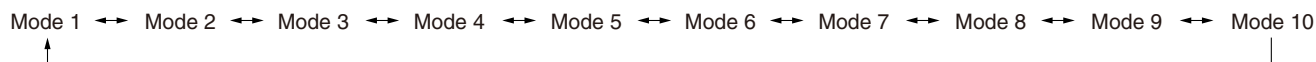
- ① Mode 1 : Confirmation of the versions, destination (language), MAC address, Serial number, Update port check and Operation check
- ② Mode 2 : All LEDs and LCDs light off
- ③ Mode 3 : All LEDs and LCDs light on
- ④ Mode 4 : LCD patterns (Main display, Jog display)
- ⑤ Mode 5 : Confirmation of individual keys and LEDs
- ⑥ Mode 6 : Confirmation of individual switches, MIC LEDs and PAD LEDs
- ⑦ Mode 7 : Confirmation of the values of the rotary variable controls and sliders
- ⑧ Mode 8 : X-PAD test
- ⑧ Mode 9 : Touch display test
- ⑩ Mode 10 : Rotary selector

How to Enter Test Mode

While holding the DECK 1 MEMORY and DECK 1 TEMPO buttons pressed, press the  switch to turn the unit on.
(Be sure to hold the u switch pressed until the unit starts up.)
Start up the unit in Mode 1 of Test mode.

How to Change Test Modes

To change Test modes, turn the Rotary selector clockwise or counterclockwise.
To shift from Mode 10 to Mode 1 or from Mode 1 to Mode 10, press the Rotary selector.
Then, Test modes can be changed again with a turn of the Rotary selector.



Test mode Contents

① Mode 1: Confirmation of the versions, destination (language), MAC address, Serial number, Update port check and Operation check

● Update port check

- "Checking" is displayed during the checking process.
- "OK" is displayed when checking all ports is successfully finished.
If there is a problem, "NG" and the port with the problem is shown.
- Check port
ERP_CONT, ERP_REQ, ERP_WRITE
PNL_CONT, EPNL_REQ, PNL_SC1
SW_PNL_SCLK, SW_PNL_MISO, SW_PNL_MOSI
- Switching is disabled if the status is "NG" or "Checking".
Press MENU button to return to normal operation.

● Operation Check

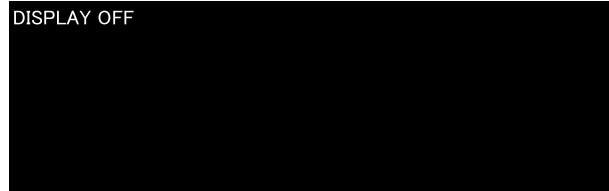
- "END" is displayed when all the checks of Mode 5 to Mode 10 are completed.
- "END" is displayed until exiting the Test Mode. After exiting the Test Mode, it is no longer displayed.

VERSION INFORMATION			
SYSTEM	Ver. 1.00	MIXER	Ver. 1.00
ERP	Ver. 1.00	DSP	Ver. 1.00
PANEL M	Ver. 1.00	APL	Rev.2000
JOG LCD(DECK1)	Ver. 1.00	KERNEL	Rev.2001
JOG LCD(DECK2)	Ver. 1.00	XPAD	Ver. 1.00
LANGUAGE	ENGLISH		
MAC_ADDR	00:00:00:00:00:00		
MAC_ADDR(LAN)	00:00:00:00:00:00		
SERIAL	000000000000		
UPDATE PORT	OK		
OPERATION CHECK	END		

② Mode 2: All LEDs and LCDs light off

- LED and LCD light off or light on dimly.

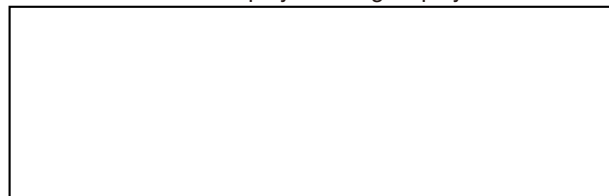
Main display and Jog display



- The following 8 items cannot be light off completely because they are light on dimly by hardware.
rekordbox, LINK, USB1, USB2, BROWSE (SEARCH), TAGLIST, INFO, MENU (UTILITY)

③ Mode 3: All LEDs and LCDs light on (Background: white)

Main display and Jog display



④ Mode 4: LCD patterns (Main display, Jog display)

- Press the Rotary selector to change color pattern (Yellow, Light blue, Green, Pink, Red, Blue) → black → white.
- Press the BACK button to the screen below.

```
LCD PATTERN TEST
ROTARY PUSH -> NEXT PATTERN
BACK        -> BACK TO TITLE
```

- JOG display pattern is also synced and switched.

⑤ Mode 5: Confirmation of individual keys and LEDs

- The LED is light on depending on the button that is pressed.
(See Table of "keys and corresponding LEDs to be light on in the mode for confirmation of individual keys".)
- "END" is displayed as in the above figure after operating all controls for each DECK1, DECK2, common and mixer.
- The data of operated elements must be saved until exiting the Test mode.
- JOG (ROTATE): Please note that just by touching doesn't mean operation.

```
KEY/LED TEST
BUTTON :

DECK1 : END
DECK2 : END
COMMON : END
MIXER : END
```

- When Channel fader 1 is moved up and down, Channel level indicator CH 1 moves up and down.
- When Channel fader 2 is moved up and down, Channel level indicator CH 2 moves up and down.
- When Channel fader 3 is moved up and down, Channel level indicator CH 3 moves up and down.
- When Channel fader 4 is moved up and down, Channel level indicator CH 4 moves up and down.
- When Crossfader is moved up and down, Master level indicator moves up and down.

Table of keys and corresponding LEDs to be light on in the mode for confirmation of individual keys

Operating buttons	LCD indication text	Self-lighting button light on color	Other self-lighting button
DECK1			
▶/ (PLAY/PAUSE)	CH1 Play/Pause	green	
CUE	CH1 CUE	amber	
SEARCH ◀◀	CH1 SearchRev	-----	DIRECTION, REV
SEARCH ▶▶	CH1 SearchFwd	-----	SLIP
TRACK SEARCH ◀◀	CH1 TrackRev	-----	LOOP IN/CUE (IN ADJUST)
TRACK SEARCH ▶▶	CH1 TrackFwd	-----	LOOP OUT (OUT ADJUST)
SHIFT	CH1 Shift	-----	Jog ring illumination
DIRECTION, REV	CH1 Reverse	red	
SLIP	CH1 Slip	red	
4/8BEAT (LOOP CUTTER)	CH1 4 Beat	-----	LOOP IN/CUE (IN ADJUST)
LOOP IN/CUE (IN ADJUST)	CH1 LoopIn	amber	
LOOP OUT (OUT ADJUST)	CH1 LoopOut	amber	
RELOOP/EXIT	CH1 Reloop	amber	
CUE/LOOP CALL ◀ (LOOP 1/2X)	CH1 CallPrev	-----	LOOP IN/CUE (IN ADJUST)
CUE/LOOP CALL ▶ (LOOP 2X)	CH1 CallNext	-----	LOOP OUT (OUT ADJUST)
DELETE	CH1 CueDelete	-----	RELOOP/EXIT
MEMORY	CH1 CueMemory	-----	Jog ring illumination
SYNC (INST. DOUBLES)	CH1 Sync	white	
MASTER	CH1 Master	amber	
JOG MODE (VINYL)	CH1 Vinyl	blue	

A

Operating buttons	LCD indication text	Self-lighting button light on color	Other self-lighting button
DECK1 (continuation)			
JOG (TOUCH)	CH1 JogTouch	-----	Jog ring illumination
JOG ROTATE FWD	CH1 JogRotateFwd	-----	LOOP OUT (OUT ADJUST)
JOG ROTATE REV	CH1 JogRotateRev	-----	LOOP IN/CUE (IN ADJUST)
TEMPO	CH1 TempoRange	-----	MASTER
MASTER TEMPO	CH1 MasterTempo	red	
TEMPO RESET	CH1 TempoReset	green	
HOT CUE (CALL)	CH1 HotCue	※1	
BEAT LOOP	CH1 AutoBeatLoop	※1	
SLIP LOOP	CH1 SlipLoop	※1	
BEAT JUMP	CH1 BeatJump	※1	
Performance Pad 1	CH1 Pad1	※1	
Performance Pad 2	CH1 Pad2	※1	
Performance Pad 3	CH1 Pad3	※1	
Performance Pad 4	CH1 Pad4	※1	
Performance Pad 5	CH1 Pad5	※1	
Performance Pad 6	CH1 Pad6	※1	
Performance Pad 7	CH1 Pad7	※1	
Performance Pad 8	CH1 Pad8	※1	
DECK2			
▶/ (PLAY/PAUSE)	CH2 Play/Pause	green	
CUE	CH2 CUE	amber	
SEARCH ◀◀	CH2 SearchRev	-----	DIRECTION, REV
SEARCH ▶▶	CH2 SearchFwd	-----	SLIP
TRACK SEARCH ◀◀	CH2 TrackRev	-----	LOOP IN/CUE (IN ADJUST)
TRACK SEARCH ▶▶	CH2 TrackFwd	-----	LOOP OUT (OUT ADJUST)
SHIFT	CH2 Shift	-----	Jog ring illumination
DIRECTION, REV	CH2 Reverse	red	
SLIP	CH2 Slip	red	
4/8BEAT (LOOP CUTTER)	CH2 4 Beat	-----	LOOP IN/CUE (IN ADJUST)
LOOP IN/CUE (IN ADJUST)	CH2 LoopIn	amber	
LOOP OUT (OUT ADJUST)	CH2 LoopOut	amber	
RELOOP/EXIT	CH2 Reloop	amber	
CUE/LOOP CALL ◀ (LOOP 1/2X)	CH2 CallPrev	-----	LOOP IN/CUE (IN ADJUST)
CUE/LOOP CALL ▶ (LOOP 2X)	CH2 CallNext	-----	LOOP OUT (OUT ADJUST)
DELETE	CH2 CueDelete	-----	RELOOP/EXIT
MEMORY	CH2 CueMemory	-----	Jog ring illumination
SYNC (INST. DOUBLES)	CH2 Sync	white	
MASTER	CH2 Master	amber	
JOG MODE (VINYL)	CH2 Vinyl	blue	
JOG (TOUCH)	CH2 JogTouch	-----	Jog ring illumination (white)
JOG ROTATE FWD	CH2 JogRotateFwd	-----	LOOP OUT (OUT ADJUST)
JOG ROTATE REV	CH2 JogRotateRev	-----	LOOP IN/CUE (IN ADJUST)
TEMPO	CH2 TempoRange	-----	MASTER
MASTER TEMPO	CH2 MasterTempo	red	
TEMPO RESET	CH2 TempoReset	green	
HOT CUE (CALL)	CH2 HotCue	※1	
BEAT LOOP	CH2 AutoBeatLoop	※1	
SLIP LOOP	CH2 SlipLoop	※1	
BEAT JUMP	CH2 BeatJump	※1	
Performance Pad 1	CH2 Pad1	※1	
Performance Pad 2	CH2 Pad2	※1	
Performance Pad 3	CH2 Pad3	※1	
Performance Pad 4	CH2 Pad4	※1	
Performance Pad 5	CH2 Pad5	※1	
Performance Pad 6	CH2 Pad6	※1	
Performance Pad 7	CH2 Pad7	※1	
Performance Pad 8	CH2 Pad8	※1	

F

Operating buttons	LCD indication text	Self-lighting button light on color	Other self-lighting button
Common			
rekordbox	Media RB	white	
LINK	Media LINK	blue	
USB1	Media USB1	green	
USB2	Media USB2	green	
BROWSE (SEARCH)	Browse	green	
TAGLIST	TagList	green	
INFO	Info	green	
MENU (UTILITY)	Menu	green	
DECK QUANTIZE	DeckQuantize	red	
TIME	TimeMode/ACue	----	DECK QUANTIZE
Rotary selector	RotarySelector	----	Rotary selector Indicator
BACK	Back	----	BROWSE (SEARCH)
TAG TRACK/REMOVE	TagTrack	----	TAGLIST
TRACK FILTER (EDIT)	TrackFilter	----	INFO
SHORTCUT	ShortCut	----	MENU (UTILITY)
LOAD 1	CH1 Load	white	
LOAD 2	CH2 Load	white	
USB1 STOP	CH1 UsbStop	----	USB1 Indicator
USB2 STOP	CH2 UsbStop	----	USB2 Indicator
MASTER REC (WAKE UP)	USB REC	red	
TRACK MARK	TrackMark	----	MASTER REC (WAKE UP) Indicator
Mixer			
SOUND COLOR FX SWEEP	CfxSweep	white	
SOUND COLOR FX DUB ECHO	CfxDubEcho	white	
SOUND COLOR FX SPACE	CfxSpace	white	
SOUND COLOR FX NOISE	CfxNoise	white	
SOUND COLOR FX CRUSH	CfxCrush	white	
SOUND COLOR FX FILTER	CfxFilter	white	
CUE CH1	CH1 HeadphoneCueCh	amber	
CUE CH2	CH2 HeadphoneCueCh	amber	
CUE CH3	CH3 HeadphoneCueCh	amber	
CUE CH4	CH4 HeadphoneCueCh	amber	
CUE MASTER	MasterCue	amber	
BEAT FX ON/OFF	EffectOnOff	blue	
FX FREQUENCY HI	Fx Hi	blue	
FX FREQUENCY MID	Fx Mid	blue	
FX FREQUENCY LOW	Fx Low	blue	
AUTO/TAP	Aut/Tap	red	FX QUANTIZE
TAP	Tap	green	
FX QUANTIZE	Fx Quantize	red	
BEAT ►	BeatNext	----	TAP
BEAT ◀	BeatPrev	----	BEAT FX ON/OFF Indicator
MIC TALK OVER	TALKOVER	red	
FEEDBACK REDUCER	Feedback Reducer	green	

※1: Each time you press the button, the color of the PAD changes as bellow.
Light off → Red → Green → Blue → White → Light off → (repeat)

The Power switch (⏻) is also subject to key check. So when the power is turned off in this Mode 5, first "Power" is displayed on the LCD and then it is turned off after 1 minute.

A ⑥ Mode 6: Confirmation of individual switches, MIC LEDs and PAD LEDs

- Display the position of the operated SW.
- When all the controls are operated, "END" is displayed as shown below. (included PAD LED confirmation)
- The data of operated elements must be saved until exiting the Test mode.

```

SW TEST
INPUT SELECT
CH3:                                CH4:

CROSS FADER ASSIGN
CH1:                                CH2:
CH3:                                CH4:

AUX :

MIC SECTION
MIC 1:                                MIC 2:
FEEDBACK:

CHECK : END
  
```

C

Operation switch		LCD indication	Remarks
Input selector (CH3)	PC	PC	
	LINE	LINE	
	PHONO	PHONO	
Input selector (CH4)	PC	PC	
	LINE	LINE	
	PHONO	PHONO	
CROSSFADER ASSIGN (CH1)	A	A	
	THRU	THRU	
	B	B	
CROSSFADER ASSIGN (CH2)	A	A	
	THRU	THRU	
	B	B	
CROSSFADER ASSIGN (CH3)	A	A	
	THRU	THRU	
	B	B	
CROSSFADER ASSIGN (CH4)	A	A	
	THRU	THRU	
	B	B	
AUX selector	OFF	OFF	
	LINE	LINE	
	PORTABLE	PORTABLE	
MIC 1 (OFF, ON) switch	OFF	OFF	Mic1 Indicator OFF
	ON	ON	Mic1 Indicator ON
MIC 2 (OFF, ON) switch	OFF	OFF	Mic2 Indicator OFF
	ON	ON	Mic2 Indicator ON
FEEDBACK REDUCER (LIGHT, HEAVY) switch	LIGHT	LIGHT	Mic1/Mic2 CLIP Indicator ON, Mic1/Mic2 SIGNAL Indicator OFF
	HEAVY	HEAVY	Mic1/Mic2 SIGNAL Indicator ON, Mic1/Mic2 CLIP Indicator OFF

Bulk confirmation of all PAD LEDs

- By pressing the following button in SW Test mode, you can check 3 color LEDs.
 - PAD MODE (HOT CUE (CALL)) ON : All the PAD MODE buttons and Performance Pads light on in red.
 - PAD MODE (BEAT LOOP) ON : All the PAD MODE buttons and Performance Pads light on in green.
 - PAD MODE (SLIP LOOP) ON : All the PAD MODE buttons and Performance Pads light on in blue.
 - PAD MODE (BEAT JUMP) ON : All the PAD MODE buttons and Performance Pads light on in white. (Red, green and blue light on at the same time)

⑦ Mode 7: Confirmation of the values of the rotary variable controls and sliders

- Display the value of the volume or slider you operated.
- When all elements are operated, "END" is displayed as shown below.
- The data of operated elements must be saved until exiting the Test mode.

```

VOL TEST
  CH1                CH2
  CH3                CH4
  MIC EQ HI

CHECK : END
  
```

Operation volume	LCD indication	Remarks
CH1 TRIM	CH1 TRIM XXX	XXX stands for 000–3FF in hexadecimal notation.
CH1 HI	CH1 HI XXX	
CH1 MID	CH1 MID XXX	
CH1 LOW	CH1 LOW XXX	
CH1 COLOR	CH1 COLOR XXX	
CH1 FADER	CH1 FADER XXX	XXX stands for 000 - 3FF0 in hexadecimal notation.
CH1 TEMPO	CH1 TEMPO XXX	
CH1 TOUCH/RELEASE	CH1 TOUCH/RELEASE XXX	XXX stands for 000–3FF in hexadecimal notation.
CH2 TRIM	CH2 TRIM XXX	
CH2 HI	CH2 HI XXX	
CH2 MID	CH2 MID XXX	
CH2 LOW	CH2 LOW XXX	
CH2 COLOR	CH2 COLOR XXX	XXX stands for 000 - 3FF0 in hexadecimal notation.
CH2 FADER	CH2 FADER XXX	
CH2 TEMPO	CH2 TEMPO XXX	XXX stands for 000–3FF in hexadecimal notation.
CH2 TOUCH/RELEASE	CH2 TOUCH/RELEASE XXX	XXX stands for 000–3FF in hexadecimal notation.
CH3 TRIM	CH3 TRIM XXX	
CH3 HI	CH3 HI XXX	
CH3 MID	CH3 MID XXX	
CH3 LOW	CH3 LOW XXX	
CH3 COLOR	CH3 COLOR XXX	
CH3 FADER	CH3 FADER XXX	
CH4 TRIM	CH4 TRIM XXX	
CH4 HI	CH4 HI XXX	
CH4 MID	CH4 MID XXX	
CH4 LOW	CH4 LOW XXX	The value is displayed in the 3rd row of the left column of the LCD. XXX stands for 000–3FF in hexadecimal notation.
CH4 COLOR	CH4 COLOR XXX	
CH4 FADER	CH4 FADER XXX	
MIC1 EQ HI	MIC1 HI XXX	
MIC1 EQ MID	MIC1 MID XXX	
MIC1 EQ LOW	MIC1 LOW XXX	
MIC2 EQ HI	MIC2 HI XXX	
MIC2 EQ MID	MIC2 MID XXX	
MIC2 EQ LOW	MIC2 LOW XXX	
HP MIXING	HP MIXING XXX	
HP LEVEL	HP LEVEL XXX	
EFFECT PARAMETER	PARAMETER	
AUX TRIM	AUX TRIM	
CROSS FADER	CROSS FADER XXX	
LEVEL/DEPTH	LEVEL DEPTH XXX	
BOOTH LEVEL	BOOTH LEVEL XXX	
MASTER LEVEL	MASTER LEVEL XXX	
MASTER EQ HI	MASTER EQ HI XXX	
MASTER EQ MID	MASTER EQ MID XXX	
MASTER EQ LOW	MASTER EQ LOW XXX	

A

Operation volume	LCD indication	Remarks
BEAT EFFECT SELECTOR	BEAT FX TYPE XXX	The value is displayed in the 3rd row of the left column of the LCD. XXX stands for 000 - 00D in hexadecimal notation.
BEAT CH SELECTOR	BEAT FX CH XXX	The value is displayed in the 3rd row of the left column of the LCD. XXX stands for 000 - 00A in hexadecimal notation.

⑧ Mode 8: X-PAD test

- Display the position parameters of the upper row, lower row and SLICER where the X-PAD is touched.
- Touch status and beat information at the touch position are also displayed.

B

- When all PAD position is touched, "END" is displayed as shown below.

X-PAD TEST

```

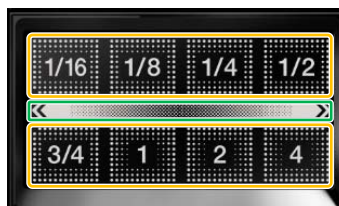
TOUCH UPPER  ON      X-PAD UPPER  0
TOUCH LOWER  ON      X-PAD LOWER  FF
                                X-PAD SLICER  7F

PAD POSITION  1/16

CHECK : END

```

Reference information



X-PAD Upper

X-PAD SLICER

X-PAD Lower

C

Operation	LCD indication	Remarks
X-PAD touch (Upper)	TOUCH UPPER XXX	Touch status : ON/OFF
X-PAD touch (Lower)	TOUCH LOWER XXX	Touch status : ON/OFF
X-PAD Upper	X-PAD UPPER XX	XXX stands for 00 - FF in hexadecimal notation.
X-PAD Lower	X-PAD LOWER XX	XXX stands for 00 - FF in hexadecimal notation.
X-PAD SLICER	X-PAD SLICER XX	XXX stands for 00 - FF in hexadecimal notation.
PAD position	PAD POSITION XXXX	XXXX displays beat information at the touch position

Notes

Even when the upper row or the lower row of the X-PAD is touched, SLICER position information is displayed.
 Even when the SLICER of the X-PAD is touched, the position information of the upper row or the lower row is displayed.

D

E

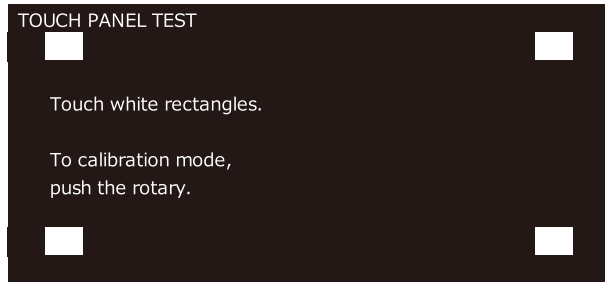
F

⑨ **Mode 9: Touch display test**

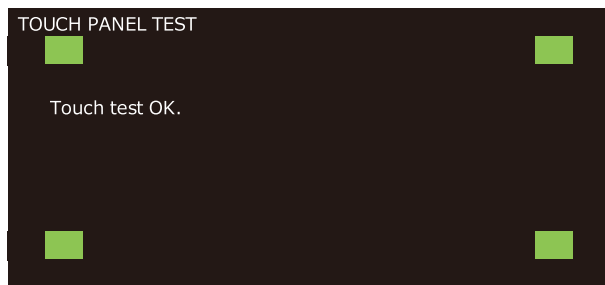
- There are touch panel Test mode and Calibration mode.
- In the touch panel Test mode, press the Rotary selector to enter the Calibration mode.
- Press the BACK button in the Calibration mode to return to the touch panel Test mode.

● **Touch panel Test mode**

- If you touch the center of the white part correctly, it changes to green.

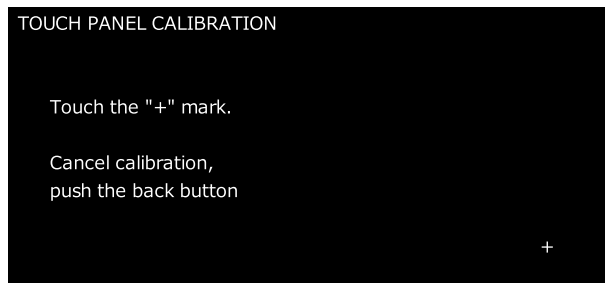


- If you press all parts correctly, "Touch test OK" appears.



● **Calibration mode**

- Press the 4 "+" marks one by one to complete the calibration.
- When the calibration is completed, the setting is saved and the mode returns to the touch panel Test mode.
- Turn the Rotary selector to cancel, and the mode changes.



A ⑩ Mode 10: Rotary selector

- Turn right to count up, and turn left to count down.
- When the value exceeds FF during counting up, it returns to 00 and then increases. When the value decreases to 00 or below during counting down, it continues decreasing (FF, FE...).
- Press the Rotary selector to return to Mode1.
- When the Rotary selector is operated, "END" is displayed as shown below.
- The data of operated elements must be saved until exiting the Test mode.

SELECTOR TEST
SELECTOR XX

CHECK : END

Operation	LCD indication	Remarks
Rotary selector	SELECTOR XX	XX stands for 00–FF in hexadecimal notation.
TIME	TIME XX	

How to Reset to the Factory Default Settings

While holding the DECK 1 DELETE and DECK1 TEMPO buttons pressed, press the ϕ switch to turn on the unit.
(Be sure to hold the u switch pressed until the unit starts up.)



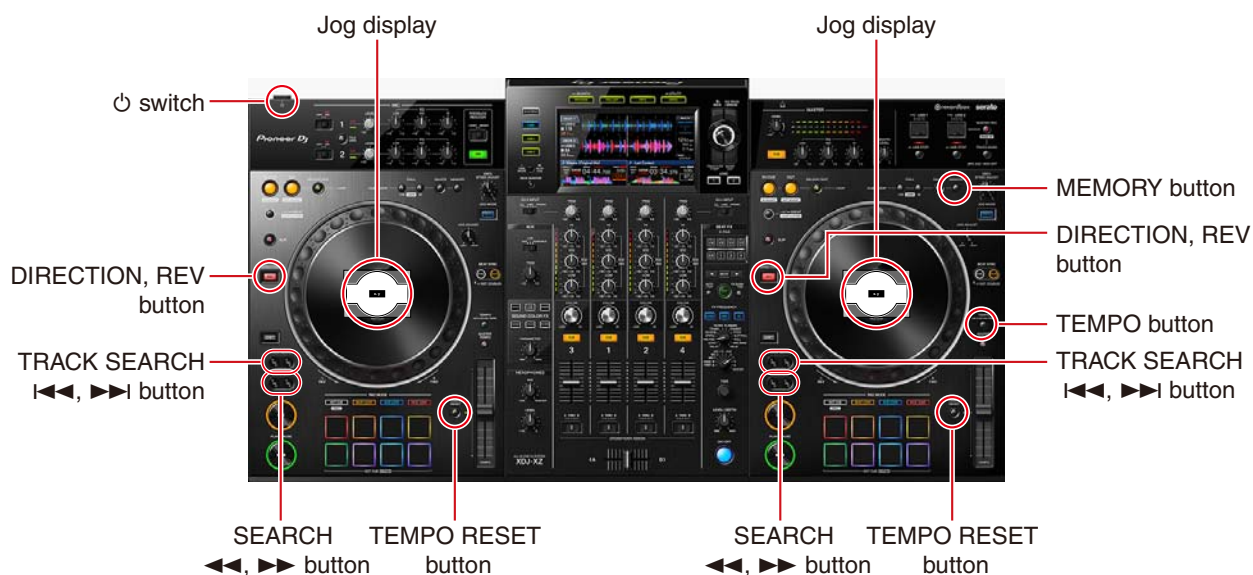
* The language setting will not be reset.

Parameters to be initialized by Factory Reset (the parameters the values of which immediately before the unit is turned off are to be stored in memory)

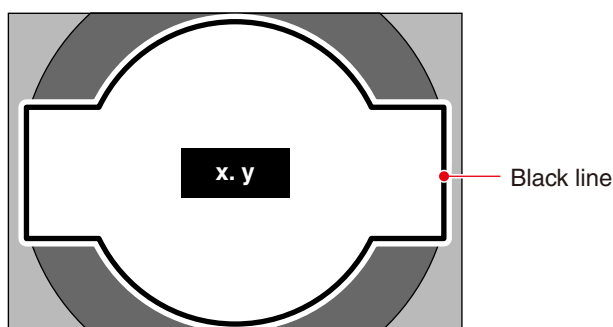
AUTO CUE : OFF
 Vinyl MODE : OFF
 TIME MODE : REMAIN
 DECK QUANTIZE : ON
 TEMPO RANGE : $\pm 10\%$
 MASTER TEMPO : OFF
 FX QUANTIZE : ON
 UTILITY (except language setting)

6.2 LCD CALIBRATION MODE

While holding the DECK 2 MEMORY and TEMPO buttons pressed, press the  switch to turn the unit on.
(Be sure to hold the u switch pressed until the unit starts up.)



The following is displayed on the Jog display of the left and right Decks.



The left and right Jog ring illumination LEDs flash.

The initial value of the coordinates in the center is (0. 0), but if it already has a saved value, that value is displayed.

Adjustment range of x axis : -4 to +4 pixel

Adjustment range of y axis : -4 to +4 pixel

■ Procedure

Adjust the position of the black line as follows.

TRACK SEARCH  : Move the black line by one pixel to the left.

TRACK SEARCH  : Move the black line by one pixel to the right.

SEARCH  : Move the black line 1 pixel upward.

SEARCH  : Move black line 1 pixel downward.

After adjusting the position, press DIRECTION, REV button and save the result.

When saving is completed, the Jog ring illumination LED light off.

By saving the result on the left and right decks, the JOG LCD calibration status changes to "END".

To make adjustment again, press TEMPO RESET button.

The Jog ring illumination LED flashes after entering the adjustment status.

6.3 ABOUT THE DEVICE

A	Device Name				
	Device Name	Function	Part No.	Reference No.	Assy
	MAIN UCOM (IMX6) /Application Processor	Main CPU Display control, USB host control, LAN communication control, Device microcomputer control, Device/LED control.	MCIMX6Q6AVT10AD	IC701	MAIN Assy
	SDRAM (DDR3 4Gb x2)	DRAM for I.MX6	K4B4G1646E-BYMA	IC901, IC902	MAIN Assy
	NAND Flash (2Gbit)	Main program for I.MX	DYW****	IC1102 (NSP)	MAIN Assy
	PMIC for I.MX6	Power supply generation, Power supply management IC for I.MX6.	MMPF0100F0AEP	IC502	MAIN Assy
	USBA HUB	Connect between two USB A terminal and I.MX6.	TUSB4020BIPHP	IC1805	MAIN Assy
	High-side SW IC	USB current monitoring IC, It limits the current to USBA terminal.	TPS2557DRB	IC1803, IC1804	MAIN Assy
	USBB HUB	Divide a USB signal for USBB communication, LAN conversion and I.MX6 communication.	TUSB4041IPAP	IC2002	MAIN Assy
B	USB-LAN Conversion	Convert USB communication from USB HUB to LAN communication.	RTL8152B-VB-CG	IC2001 (NSP)	MAIN Assy
	LAN HUB	Connect from LAN terminal, CH3, CH4, Extension and convert the LAN communication with USB-OLAN Conversion to I.MX6.	RTL8309M-CG	IC2151	MAIN Assy
	MIXER UCOM	USB device control, MIXER Assy AD processing, DSP control, DAC, USBB HUB control	R5S72690W266FP	IC2302 (NSP)	MAIN Assy
	SPI Flash for MIXER UCOM (16 Mb)	Program storage for MIXER UCOM	DYW****	IC2303 (NSP)	MAIN Assy
	DSP	Audio DSP	D810K013DZKB400	IC2501	MAIN Assy
	SDRAM 128Mb	SDRAM for DSP	W9812G6KH-6	IC2502	MAIN Assy
	JOG LCD UCOM1, 2	JOG LCD1, JOG LCD2 control microcomputer	R5S72690W266FP	IC3002, IC3202	JLCD1, JLCD2 Assy
	SPI Flash for JOG LCD UCOM1/2 (64 Mb)	Program storage for JOG LCD UCOM1/2	DYW****	IC3003, IC3203 (NSP)	JLCD1, JLCD2 Assy
C	SDRAM 64Mb	SDRAM for JOG LCD UCOM	W9864G6KH-5	IC3007, IC3206	JLCD1, JLCD2 Assy
	X-PAD TOUCH CONTROLLER	XPAD touch control IC	ATSAMD20E15A-MU	IC3401	XPAD Assy
	LVDS Receiver IC	Convert LVDS signal for liquid crystal from I.MX6 into RGB signal.	BU90R104	IC3601	LCDB Assy
	TOUCH PANEL CONTROL IC	Touch panel control IC for Browse section	AK4187VN	IC3606	LCDB Assy
	ERP UCOM	Standby control elements. LEDs and elements control.	DYW****	IC4502 (NSP)	UCOM Assy
	PANELM UCOM	LED on the MIXER Assy and elements control.	DYW****	IC4505 (NSP)	UCOM Assy
	AUDIO DAC	Master 4ch-Multi DAC (Master1, Master2, Booth, Send)	AK4458VN	IC5802	AUDIO Assy
		Headphone DAC	AK4384ET	IC5801	AUDIO Assy
	AUDIO ADC	ADC for CH3 and CH4	AK5386VT	IC5204, IC5404	AUDIO Assy
		ADC for AUX and MIC	AK5358AET	IC5603, IC5604	AUDIO Assy
D	7 inch TFT LCD	7 inch liquid crystal module for Browse	CWX4352	Connect to CN5201 (LCD)	
	3.5 inch TFT LCD	3.5 inch liquid crystal module for JOG LCD	DWX4228	Connect to CN3006/CN3206 (LCD)	
	LCD Backlight IC	Backlight control IC	IS31BL3555-ZLS4	IC302	MAIN Assy

Note on DYW****

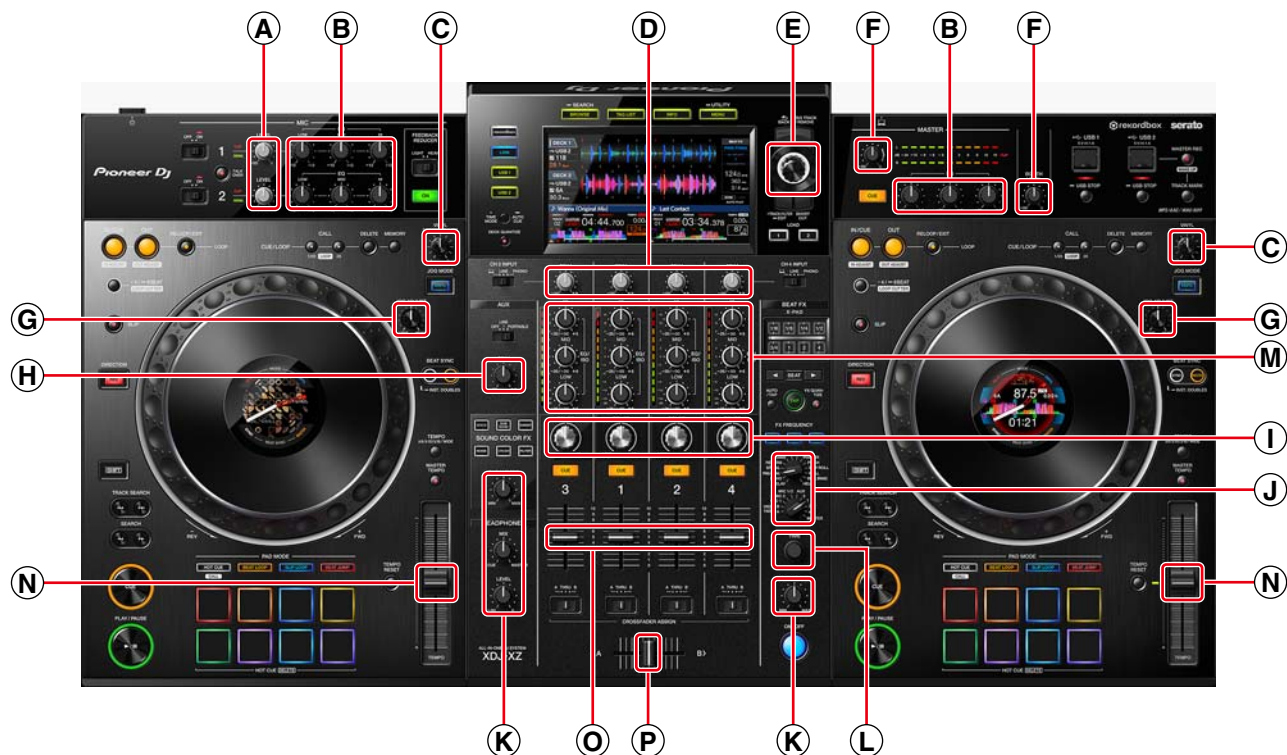
The "****" part of the part number changes each time
the firmware is updated.

7. DISASSEMBLY

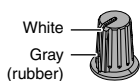
Note:

Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

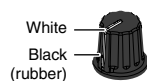
Knobs and Volumes Location



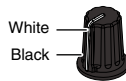
A DAA1442
x2



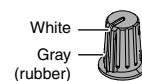
B DAA1432
x9



C DAA1284
x2



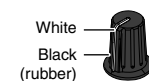
D DAA1408
x4



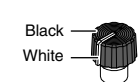
E DAA1246
x1



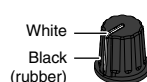
F DAA1409
x2



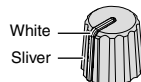
G DAA1406
x2



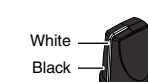
H DAA1435
x1



I DAA1309
x4



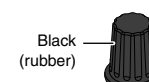
J DAA1205
x2



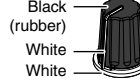
K DAA1434
x4



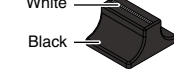
L DAA1180
x1



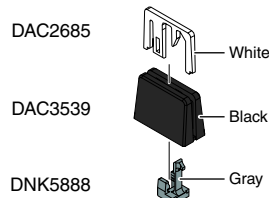
M DAA1305
x12



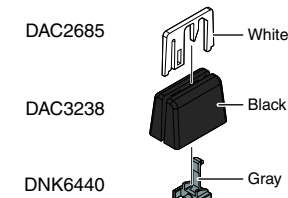
N DNK5981
x2



O DAC3539 x4 + DAC2685 x4 + DNK5888 x4



P DAC3238 x1 + DAC2685 x1 + DNK6440 x1



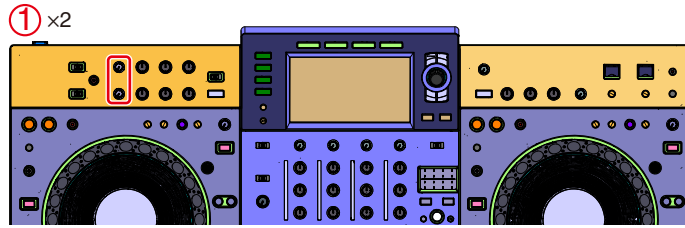
XDJ-XZ

A Disassembly

[1] Chassis Section

[1-1] Control panel Section

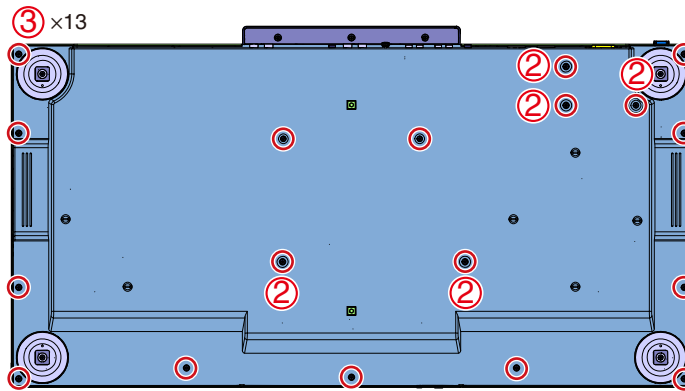
- ① Remove the 2 knobs.



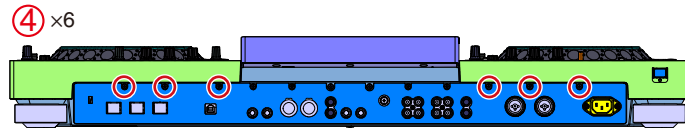
- ② Remove the 5 screws.
(BBZ30P060FTB)

- ③ Remove the 13 screws.
(BPZ30P100FTB)

- ④ Remove the 6 screws.
(BBZ30P060FTB)

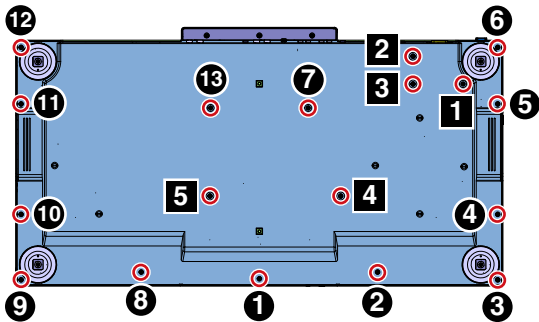


• Bottom view



• Rear view

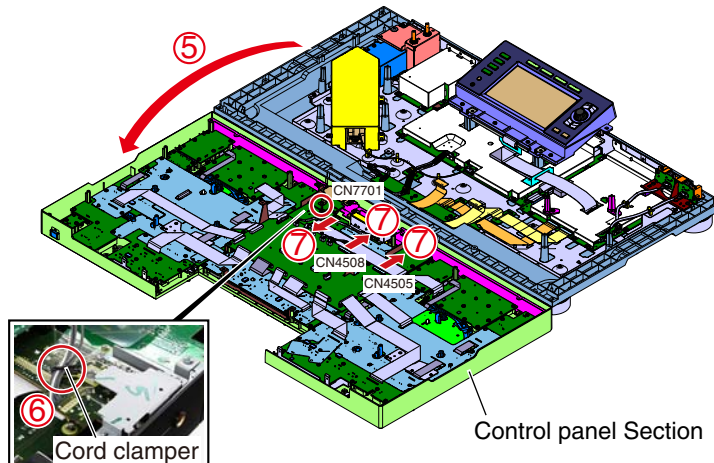
Screw tightening order



- ⑤ Remove the Control panel Section.
⑥ Release the jumper wire from cord clamber.
⑦ Disconnect the 2 flexible cables and 1 connector.
(CN4505, 4508, 7701)

Caution:

The locking function of the connectors of CN4505, 4508 is fragile. Therefore, when locking or unlocking, it is necessary to work so that the force equally applies to both sides with both hands. Also, we need to be careful not to overpower.

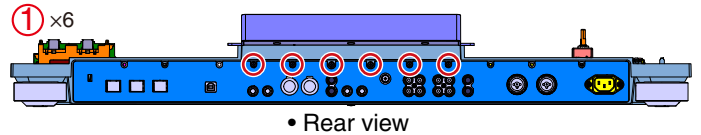


Cord clamber

Control panel Section

[1-2] LCD Section

- ① Remove the 6 screws.
(BBZ30P060FTB)



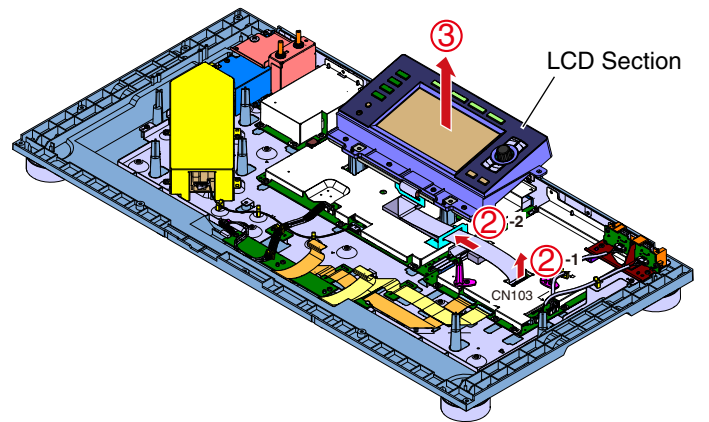
- ② Disconnect the flexible cable.
(CN103)

Caution:

The locking function of the connectors of CN103 is fragile.

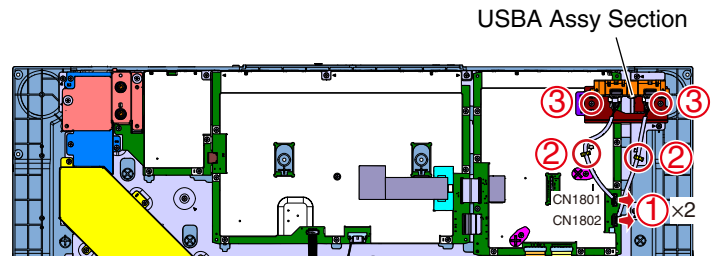
Therefore, when locking or unlocking, it is necessary to work so that the force equally applies to both sides with both hands. Also, we need to be careful not to overpower.

- ③ Remove the LCD Section.



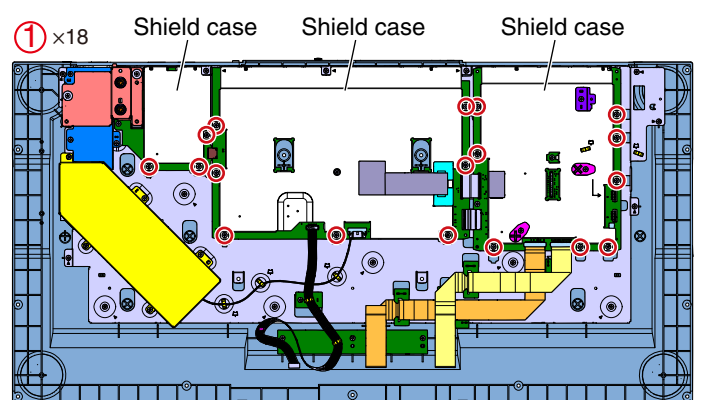
[1-3] USBA Assy Section

- ① Disconnect the 2 connectors.
(CN1801, 1802)
- ② Release the 2 jumper wires.
- ③ Remove the 2 screws and then remove the USBA Assy Section.
(BBZ30P060FTC)



[1-4] Diagnosis of Chassis Section

- ① Remove the 18 screws and then remove the 3 Shield cases.
(BBZ30P060FTC)



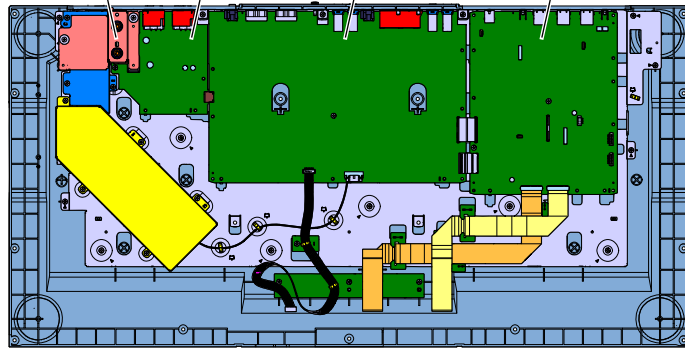
- A ② Reconnect the Control panel Section, LCD Section and USBA Assy Section.



Diagnosis

B

MCTR Assy Section MCIN Assy AUDIO Assy MAIN Assy

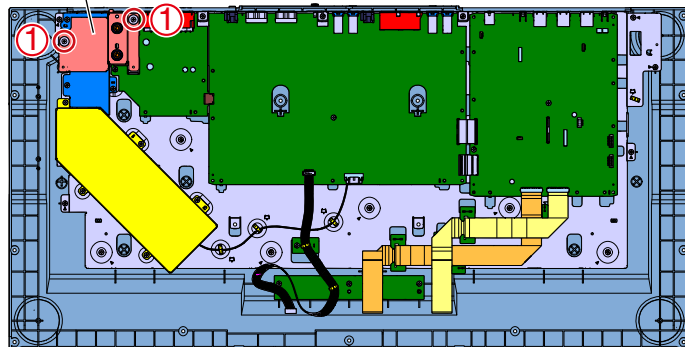


[1-5] Chassis Section

- ① Remove the 2 screws and then remove the MCTR Assy Section. (DBA1260)

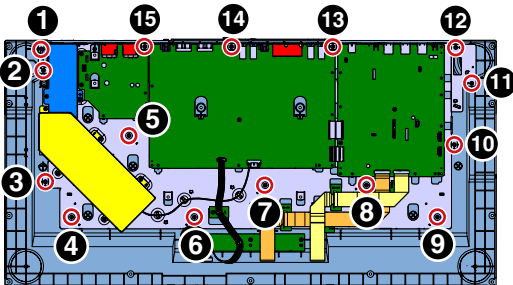
- C **Caution:**
It cannot watch BtoB connector part when install MCTR Assy Section.
The connector may be damaged if it is forcibly attached these parts.

MCTR Assy Section

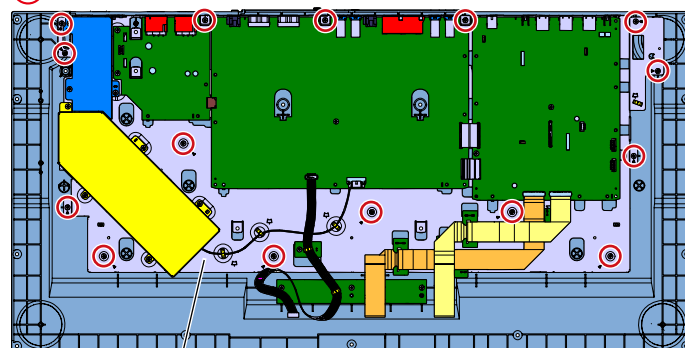


- ② Remove the 15 screws and then remove the Chassis Section. (BPZ30P080FNI)

Screw tightening order



② x15



Chassis Section

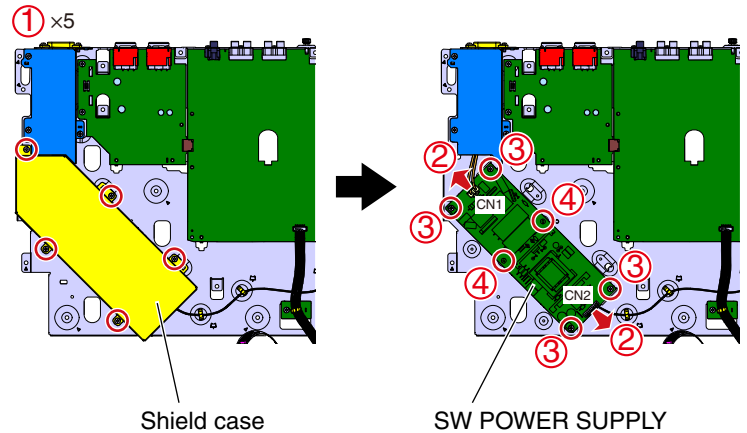
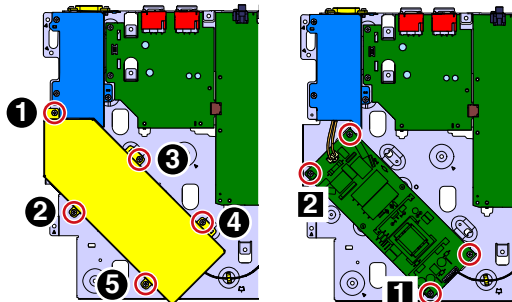


[1-6] SW POWER SUPPLY

- ① Remove the 5 screws and then remove the Shield case.
(BBZ30P060FTC)
- ② Disconnect the 2 connectors.
(CN1, 2)
- ③ Remove the 4 screws.
(BBZ30P060FTC)
- ④ Release the 2 PCB holders and then remove the SW POWER SUPPLY.

Screw tightening order

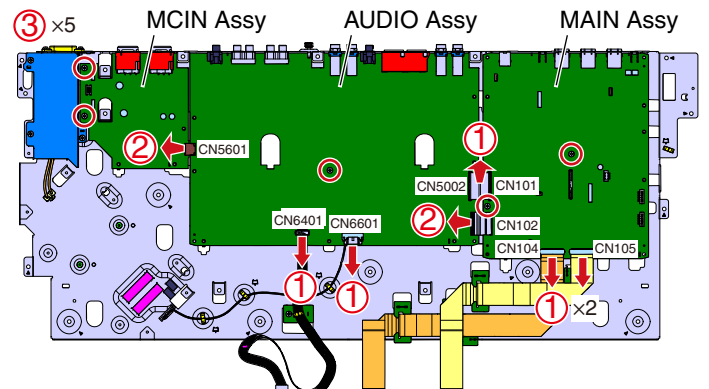
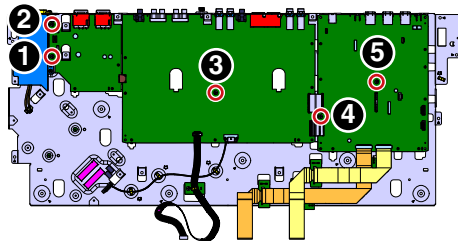
The other screws are random order.



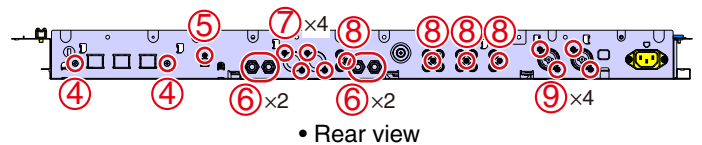
[1-7] MAIN, AUDIO and MCIN Assys

- ① Disconnect the 3 flexible cables and 2 connector.
(CN101, 104, 105, 5002, 6401, 6601)
- ② Unhook the 2 bridge connectors.
(CN102, 5601)
- ③ Remove the 5 screws.
(BBZ30P060FTC)

Screw tightening order



- ④ Remove the 2 screws.
(BBZ30P060FTC)
- ⑤ Remove the 1 screw.
(DBA1340)
- ⑥ Remove the 4 nuts.
(NKX2FNI)
- ⑦ Remove the 4 screws.
(PPZ30P080FTB)
- ⑧ Remove the 4 screws.
(PPZ30P080FTB)
- ⑨ Remove the 4 screws.
(PPZ30P080FTB)



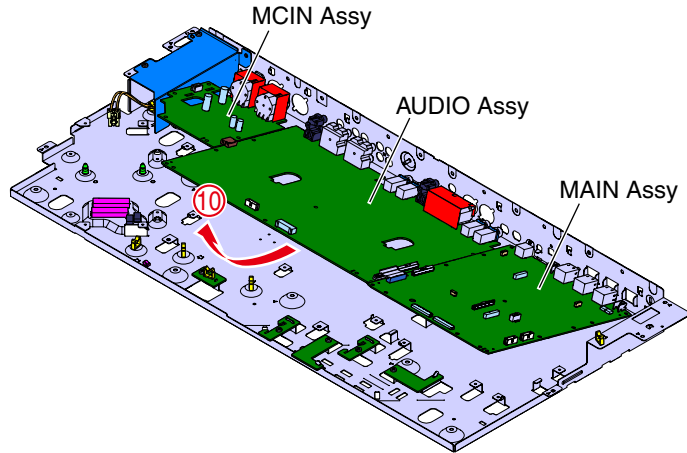
Screw tightening order

The other screws are random order.

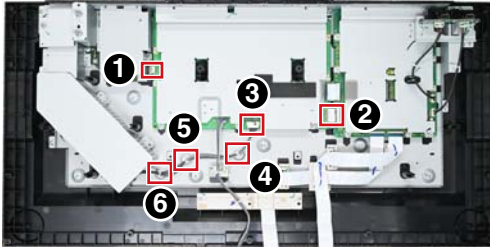


Be sure to tighten this screw ⑤ first.

- A ⑩ Remove the MAIN, AUDIO and MCIN Assemblies.

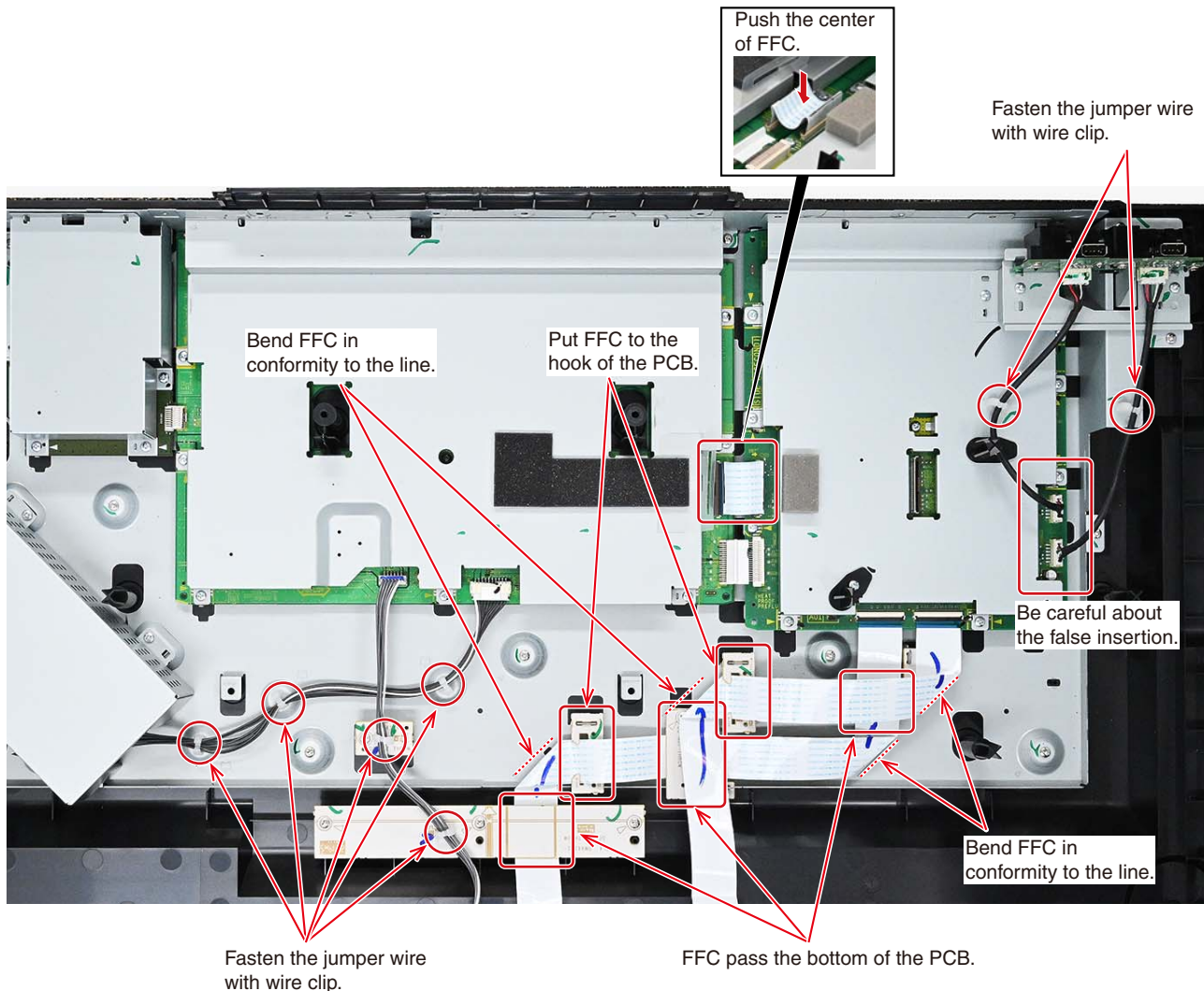


■ Styling procedure



■ Jumper wires styling

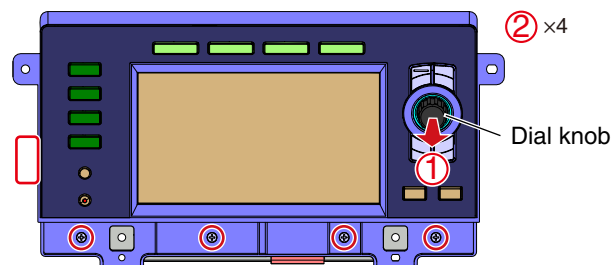
Note: Fold FFC according to the following photo. (Mountain fold, Valley fold)



[2] LCD Section

[2-1] Exterior Section

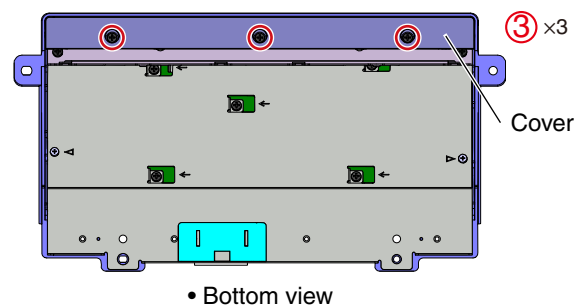
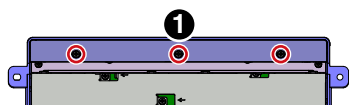
- ① Remove the Dial knob.
- ② Remove the 4 screws.
(BBZ30P060FTC)



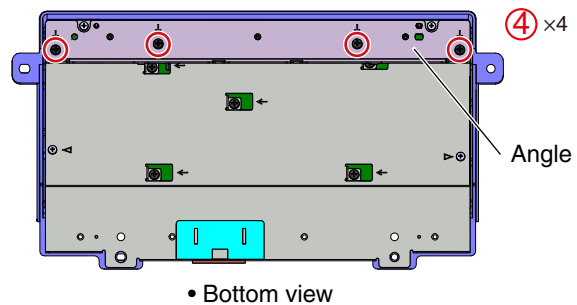
- ③ Remove the 3 screws and then remove the Cover.
(BBZ30P060FTB)

Screw tightening order

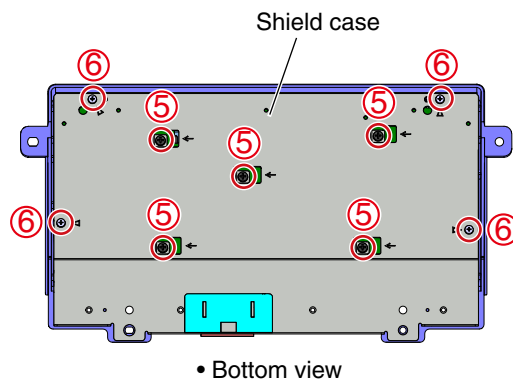
The other screws are random order.



- ④ Remove the 4 screws and then remove the Angle.
(BBZ30P060FTB)



- ⑤ Remove the 5 screws.
(BBZ30P060FTB)
- ⑥ Remove the 4 screws and then remove the Shield case.
(BPZ26P080FTC)



A [2-2] LCDB Assy

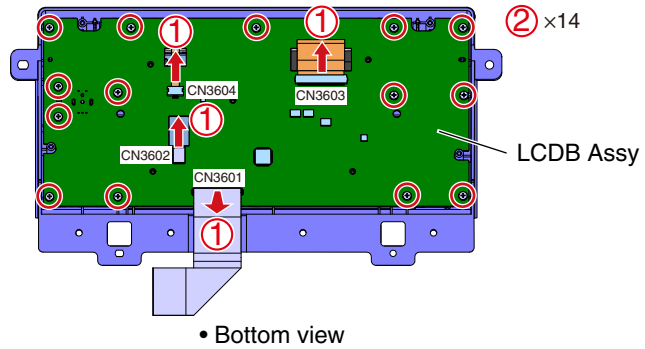
- ① Disconnect the 1 flexible cable, 2 FPC and 1 connector.
(CN3601 to 3604)
- ② Remove the 14 screws and then remove the LCDB Assy.
(BPZ26P080FTC)

Caution:

The locking function of the connectors of CN3601, 3603 is fragile.

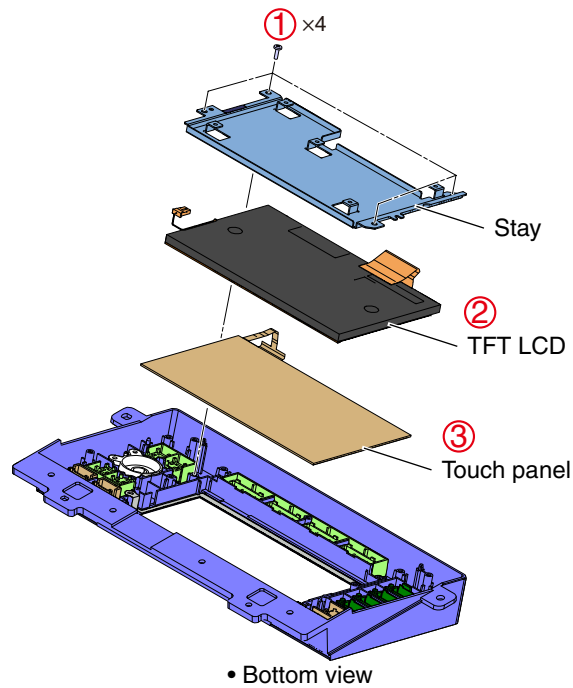
Therefore, when locking or unlocking, it is necessary to work so that the force equally applies to both sides with both hands.

Also, we need to be careful not to overpower.



[2-3] TFT LCD and Touch panel

- ① Remove the 4 screws and then remove the Stay.
(BPZ26P080FTC)
- ② Remove the TFT LCD.
- ③ Remove the Touch panel.

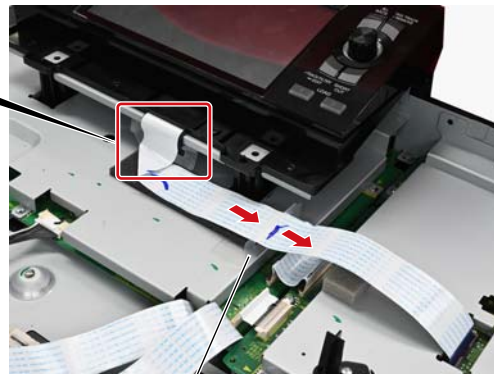


■ Jumper wires styling

FFC pass the slit of the barrier.



Bend the FFC 90 degrees in the backside (bottom).



FFC pass the slit of the barrier.

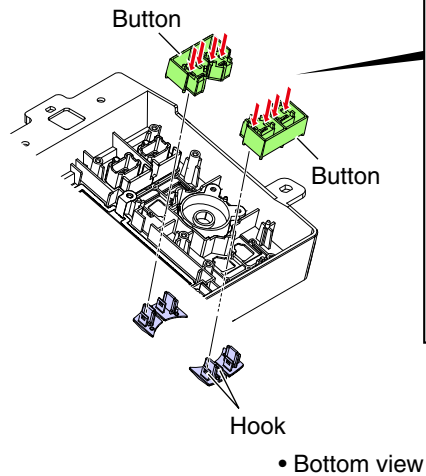
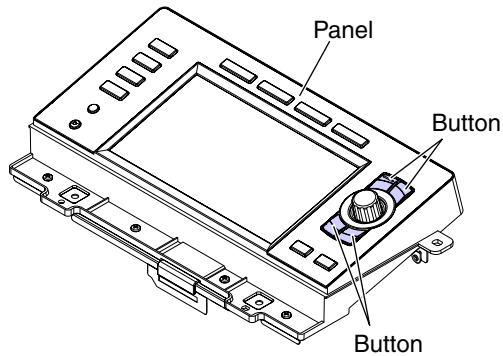
■ Notes on disassembling buttons

As shown below, 4 buttons on the panel are fixed 2 buttons from the bottom side.

(A button has 2 hooks.)

When disassembling it, put off the hook by using a thin rod or the like.

In addition, the hook is fragile so please be careful.

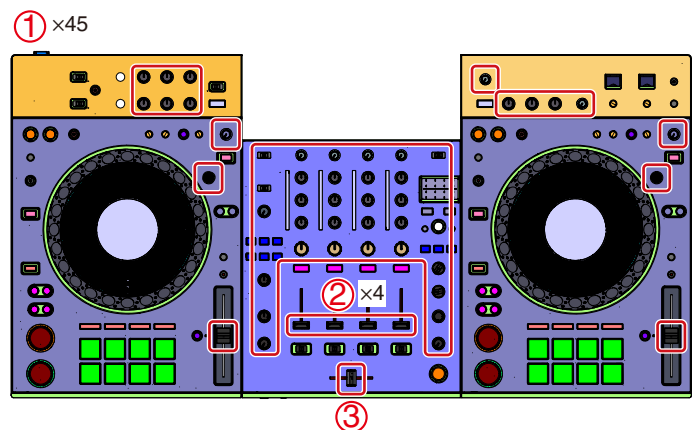
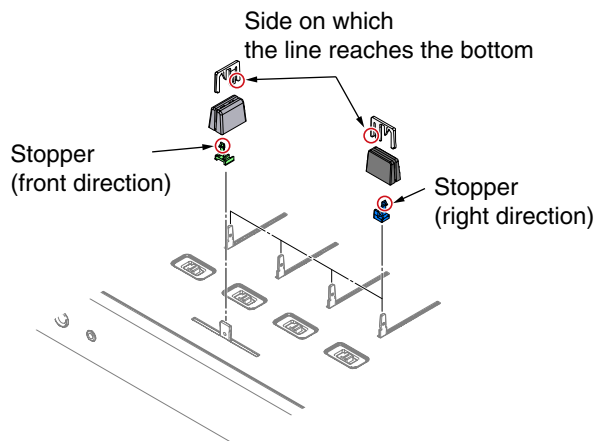


[3] Control panel Section

[3-1] Knobs

- ① Remove the all knobs.
- ② Remove the 4 Slider knobs 2, 4 Knobs, 4 Stoppers.
(See below.)
- ③ Remove the Silider knob 2, Knob, Stopper.
(See below.)

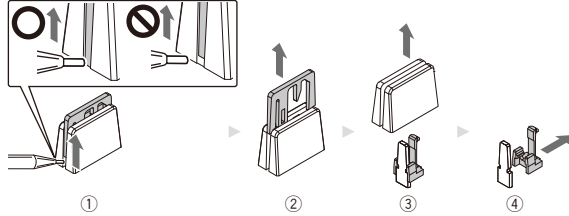
■ The reference of the direction



A ■ Assembly / Reassembly of the Slider Knob 2, Knob and Slider Knob Stopper (Stopper)

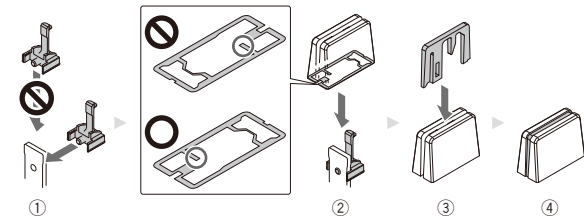
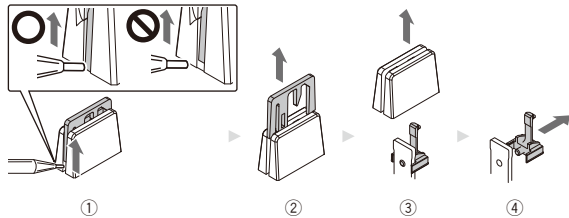
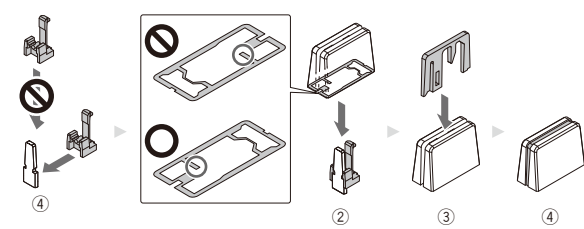
-Disassembly-

- ① Lift the lower end of the Slider knob 2, using a pointed tool.
- ② Pull the Slider knob 2 out upward.
- ③ Pull the Knob out upward.
- ④ Pull the Slider Knob Stopper (Stopper) out horizontally.



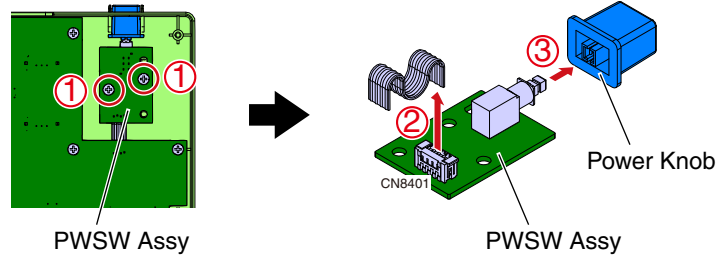
-Reassembly-

- ① Insert the Slider Knob Stopper (Stopper) horizontally.
- ② Insert the Knob, paying attention to its orientation.
- ③ Insert the Slider knob 2, paying attention to its orientation.



[3-2] PWSW Assy

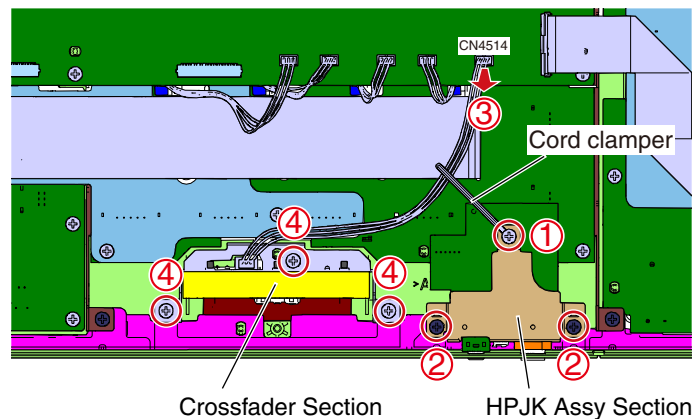
- ① Remove the 2 screws and then remove the PWSW Assy. (BPZ30P080FNI)
- ③ Disconnect the 1 connector. (CN8401)
- ④ Remove the Power Knob.



• Bottom view

[3-3] HPJK Assy Section and Crossfader Section

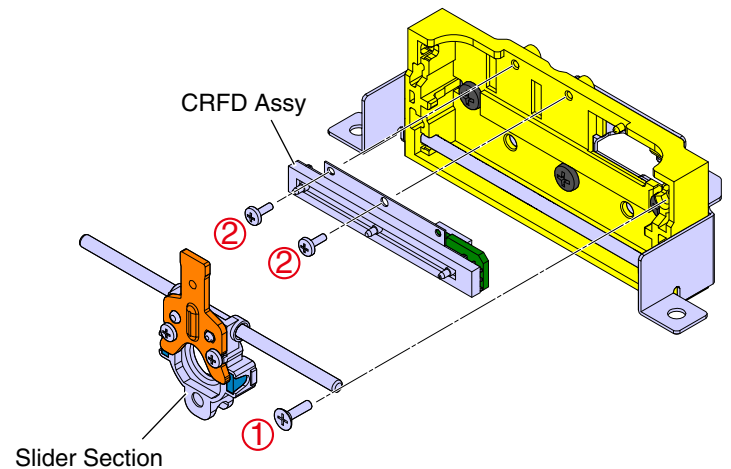
- ① Remove the 1 screw and then remove the Cord clamber. (BPZ30P080FNI)
- ② Remove the 2 screws and then remove the HPJK Assy Section. (BBZ30P060FTC)
- ③ Disconnect the 1 connector. (CN4514)
- ④ Remove the 3 screws and then remove the Crossfader Section. (BPZ30P080FNI)



• Bottom view

[3-4] CRFD Assy

- ① Remove the 1 screw and then remove the Slider Section.
(CPZ26P080FTC)
- ② Remove the 2 screws and then remove the CRFD Assy.
(BPZ20P050FTC)

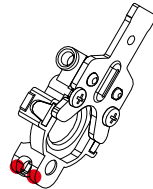


Locations of grease application



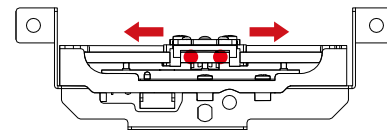
Lubricating oil
(GYA1001)

• Slider



• Guide Bar (upper)

After grease application, move the slider in order to fully spread the grease.



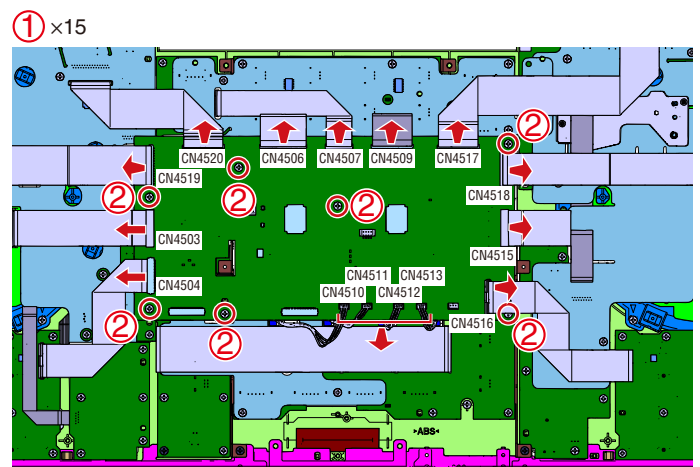
[3-5] UCOM Assy

- ① Disconnect the 11 flexible cables and 4 connectors.
(CN4503, 4504, 4506, 4507, 4509 to 4513, 4515 to 4520)

Caution:

The locking function of the connectors of CN4504, 4516 is fragile. Therefore, when locking or unlocking, it is necessary to work so that the force equally applies to both sides with both hands. Also, we need to be careful not to overpower.

- ② Remove the 7 screws and then remove the UCOM Assy.
(BPZ30P080FNI)

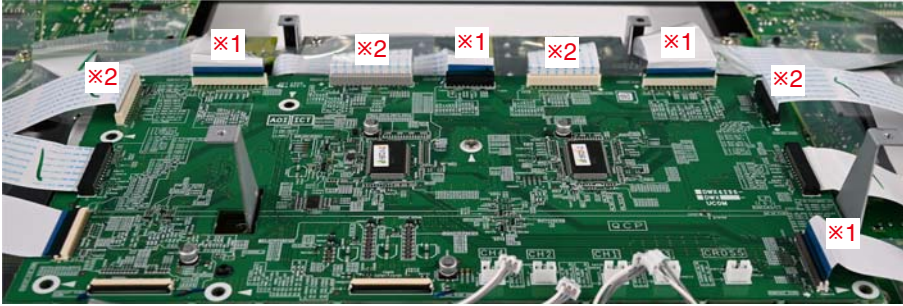


A ■ direction to fold FFC into

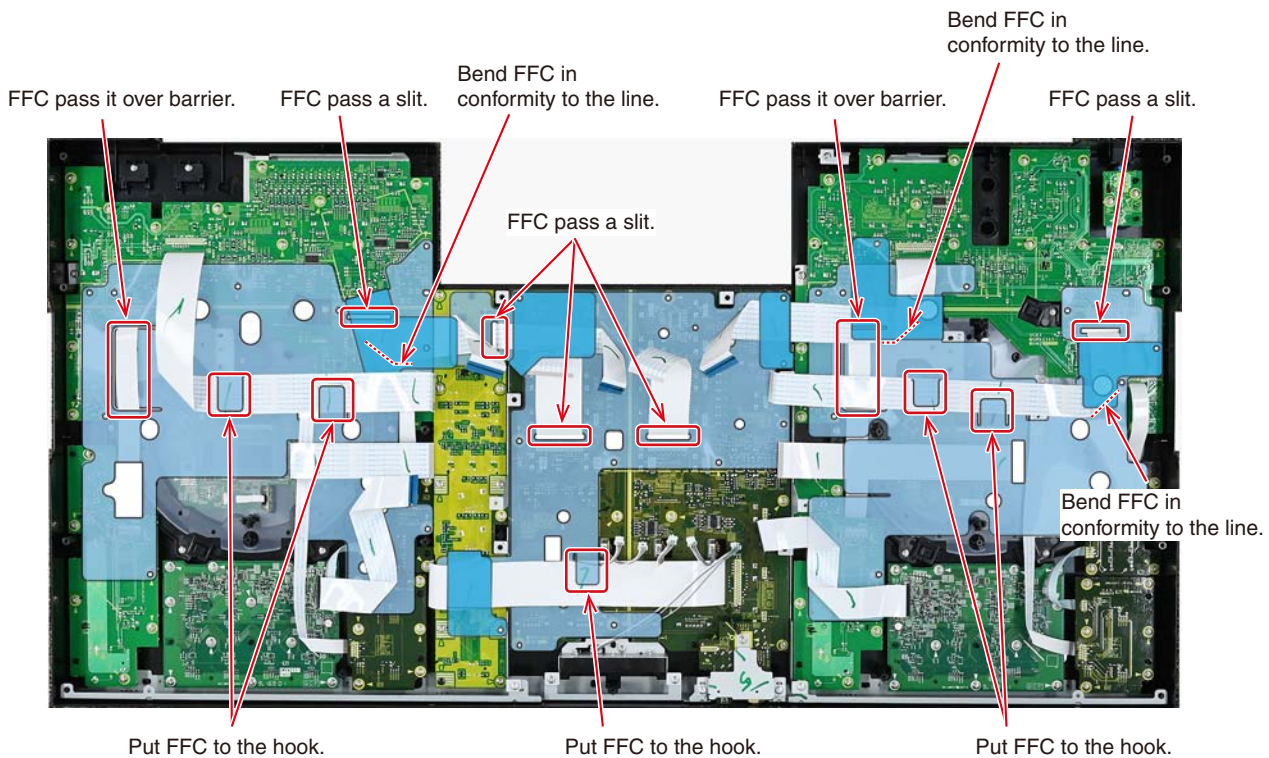
The connector region except UCOM Assy is similar, too.

※1

※2

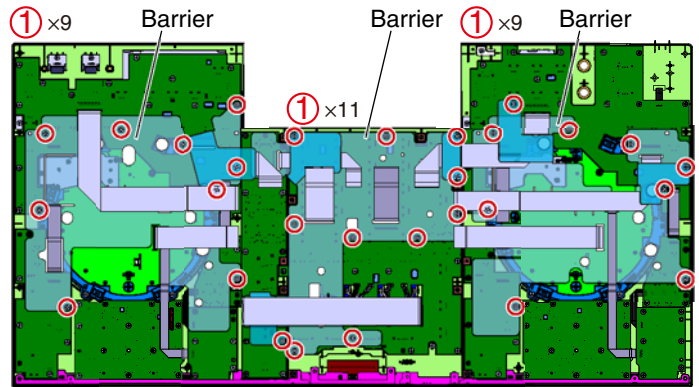


■ Jumper wires styling



[3-6] Barrier

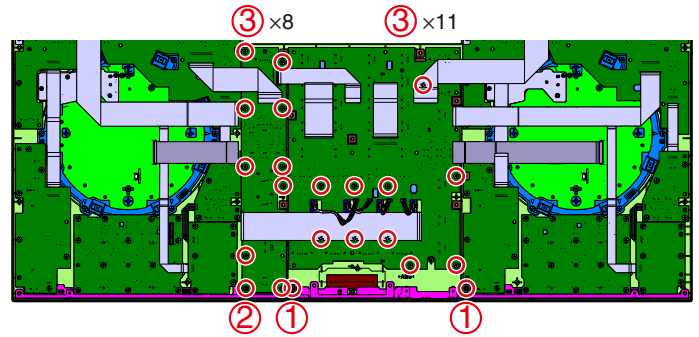
- ① Remove the 29 screws and then remove the 3 Barriers.
(BPZ30P080FNI)



• Bottom view

[3-7] MIXER and EFSW Assys

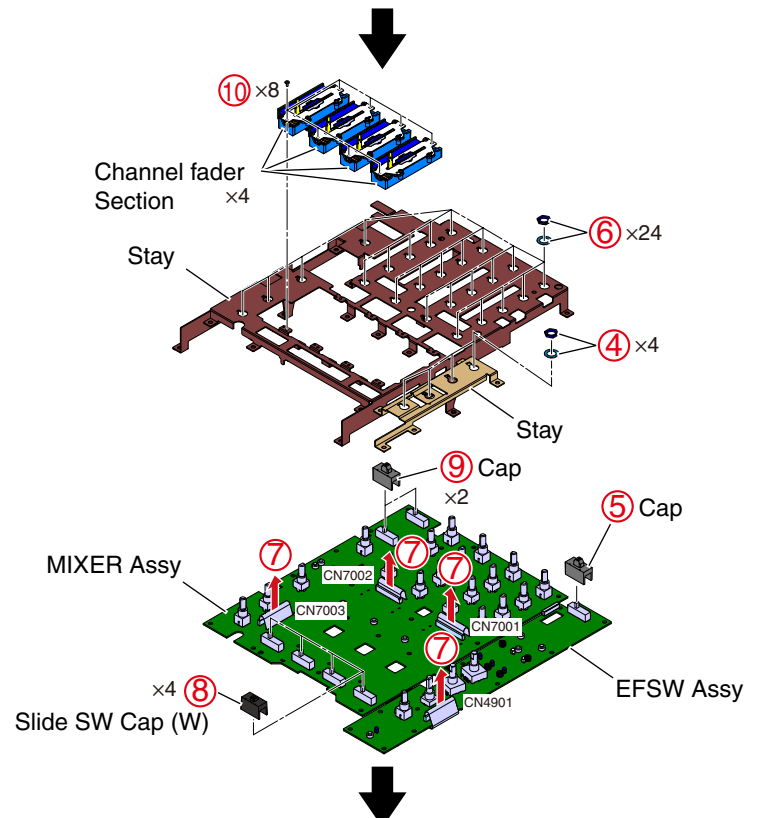
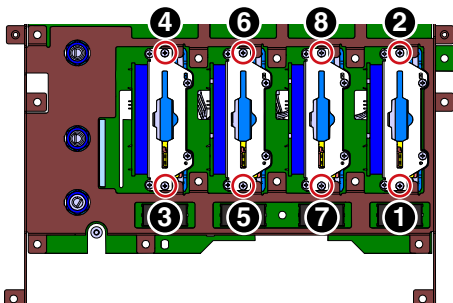
- ① Remove the 2 screws.
(BBZ30P060FTC)
- ② Remove the 1 screw.
(BPZ30P100FTB)
- ③ Remove the 19 screws and then remove the EFSW and MIXER Assemblies.
(BPZ30P080FNI)



• Bottom view

- ④ Remove the 4 washers and 4 nuts and then remove the Stay.
- ⑤ Remove the Cap.
- ⑥ Remove the 24 washers and 24 nuts and then remove the Stay.
- ⑦ Disconnect the 4 flexible cables.
(CN4901, 7001 to 7003)
- ⑧ Remove the 4 Slide SW Caps (W).
- ⑨ Remove the 2 Caps.
- ⑩ Remove the 8 screws and then remove the Channel fader Section.
(BSZ20P040FTB)

Screw tightening order



A ■ Position adjustment of FX select knob

Fine adjustment of the position is necessary for the EFSW Assy. According to the following, you tighten a screw and confirm it.

EFSW Assy



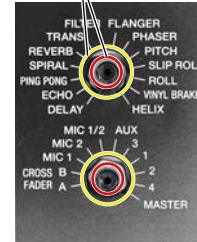
Turn the knob
counterclockwise to the end

Turn the knob
clockwise to the end



If it is held, adjust the
position with reference
to the Fig. on the right.

Adjust the position while loosening the
screws on EFSW Assy so that the center
of the hole (yellow circle) of the panel
and the center of the encoder axis
(red circle) coincide.



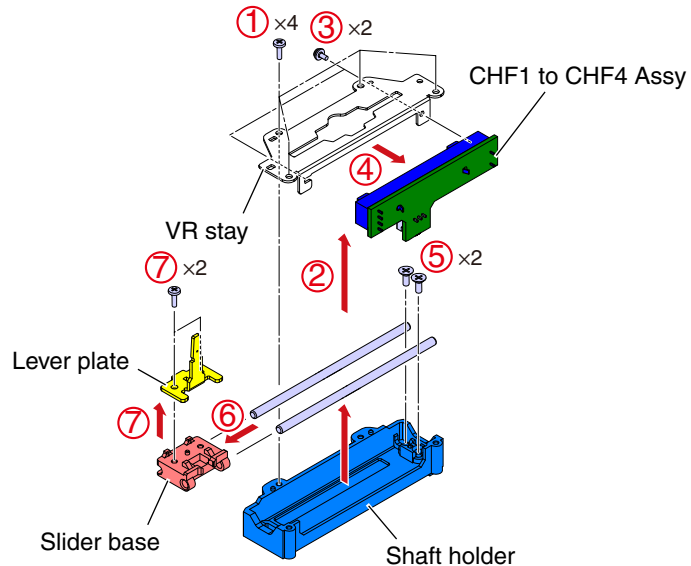
Turn over and insert the knob. Because it is
temporarily fixed, it is necessary to prevent the
substrate from being loaded. (Ex: Hold the back of the board)
Rotate FX select knob in the direction of the arrow to the end.
At that time, confirm if it is not held at a position deviated
from the position of the command select part.

➡ If the knob is not held, it is OK.
If not, adjust the position of EFSW Assy and check again.

Align the screw holes of the Control panel and
the board, and temporarily fix at this part.

[3-8] CHF1 to CHF4 Assys

- ① Remove the 4 screws.
(BPZ20P060FTC)
- ② Remove the CHF1 to CHF4 Assy with VR stay.
- ③ Remove the 2 screws.
(PMH20P040FTC)
- ④ Remove the CHF1 to CHF4 Assy.
- ⑤ Remove the 2 screws and then remove the
Guide shaft (S) and Slider base Section.
(CPZ26P080FTC)
- ⑥ Remove the Slider base Section from Guide
shaft (S).
- ⑦ Remove the 2 screws and then remove the
Lever plate Section.
(BPZ20P060FTC)



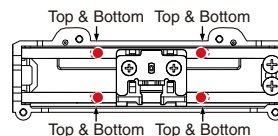
■ Locations of grease application



Lubricating oil
(GYA1001)

Note:

Greasing must be performed at a total of 8 points, 2 points
each for the upper and bottom places of each shaft.
(0.4 to 1 mg per point × 8 points)
After applying grease, move the slider base back and forth
from one end to the other for approximately 10 to 20 strokes,
in order to fully spread the grease.



[3-9] XPAD Assy

- ① Remove the Sheet.

Caution:

Remove the Sheet first. Because the Lens is affixed to the Sheet, work is difficult.

- ② Disconnect the 1 flexible cable.
(CN3401)

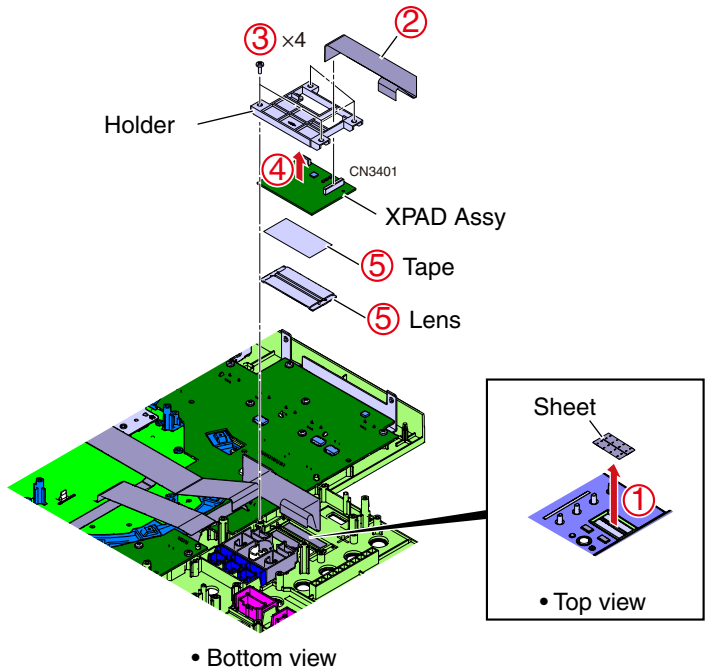
- ③ Remove the 4 screws and then remove the Holder.
(BPZ30P080FNI)

- ④ Remove the XPAD Assy.

- ⑤ Remove the Tape, and separate the XPAD Assy and the Lens.

Caution:

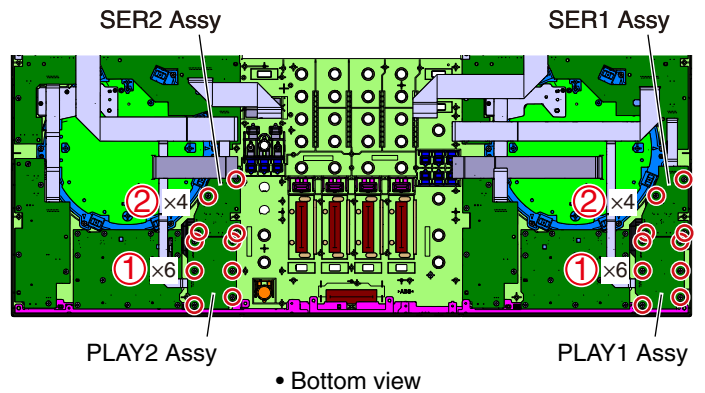
Cannot be reused.



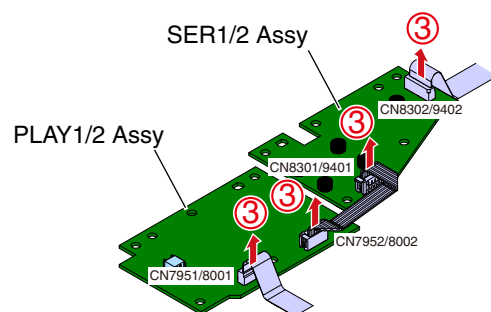
[3-10] PLAY1/2 and SER1/2 Assys

- ① Remove the 12 screws and then remove the PLAY1 and PLAY2 Assemblies.
(BPZ30P080FNI)

- ② Remove the 8 screws and then remove the SER1 and SER2 Assemblies.
(BPZ30P080FNI)

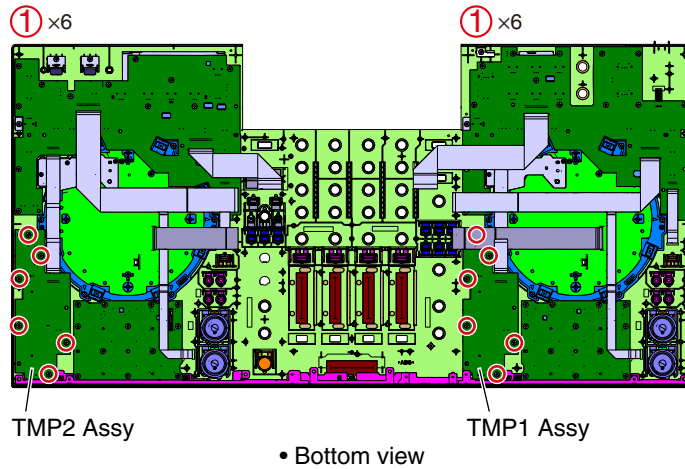


- ③ Disconnect the 2 flexible cables and 2 connectors.
(CN7951, 7952, 8001, 8002, 8301, 8302, 9401, 9402)

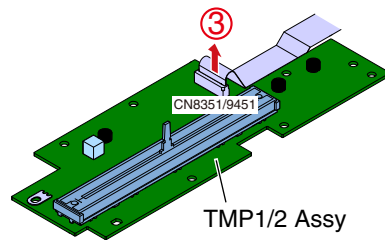


A [3-11] TMP1/2 Assy

- ① Remove the 12 screws and then remove the TMP1 and TMP2 Assemblies.
(BPZ30P080FNI)

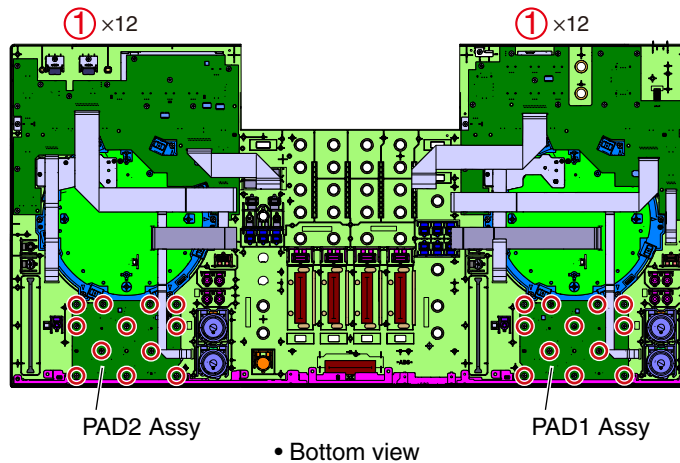


- ② Disconnect the 1 flexible cable.
(CN8351, 9451)



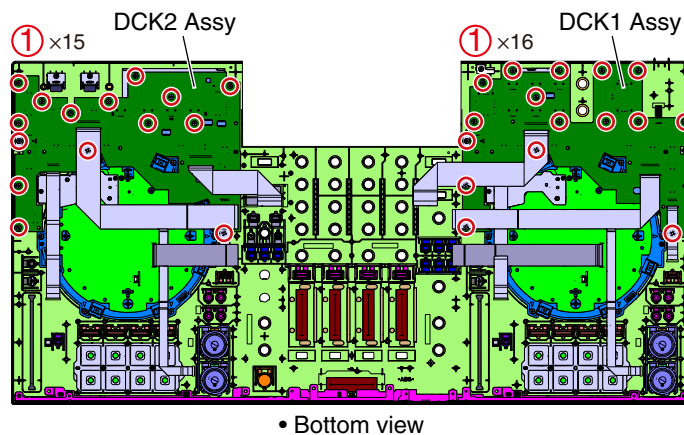
D [3-12] PAD1 and PAD2 Assys

- ① Remove the 24 screws and then remove the PAD1 and PAD2 Assemblies.
(BPZ30P080FNI)

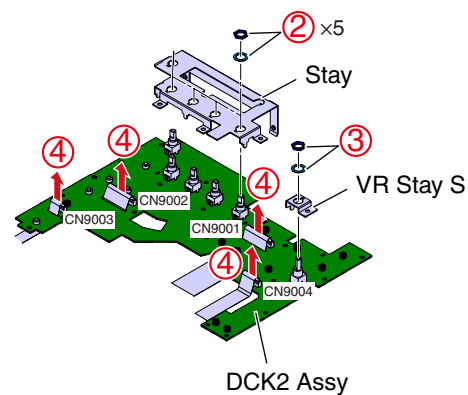


[3-13] DCK1 and DCK2 Assys

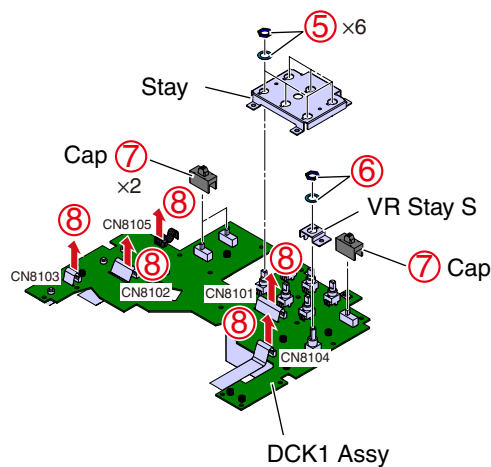
- ① Remove the 31 screws and then remove the DCK1 and DCK2 Assemblies.
(BPZ30P080FNI)



- ② Remove the 5 washers and 5 nuts and then remove the Stay.
- ③ Remove the 1 washer and 1 nut and then remove the VR stay S.
- ④ Disconnect the 4 flexible cables.
(CN9001 to 9004)



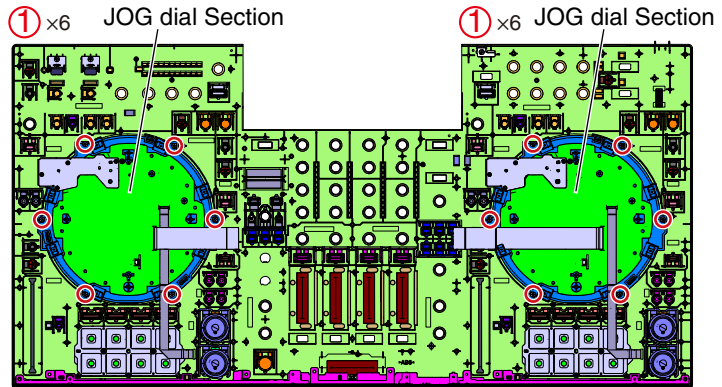
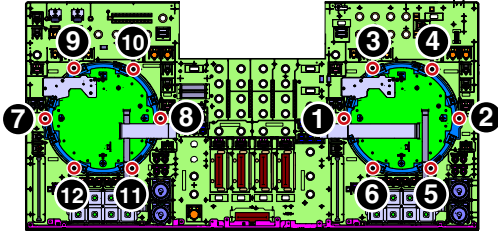
- ⑤ Remove the 6 washers and 6 nuts and then remove the Stay.
- ⑥ Remove the 1 washer and 1 nut and then remove the VR stay S.
- ⑦ Remove the 3 Caps.
- ⑧ Disconnect the 4 flexible cables and 1 connector.
(CN8101 to 8105)



A [3-14] JOG dial Section

- ① Remove the 12 screws and then remove the 2 JOG dial Sections.
(BPZ30P080FNI)

Screw tightening order



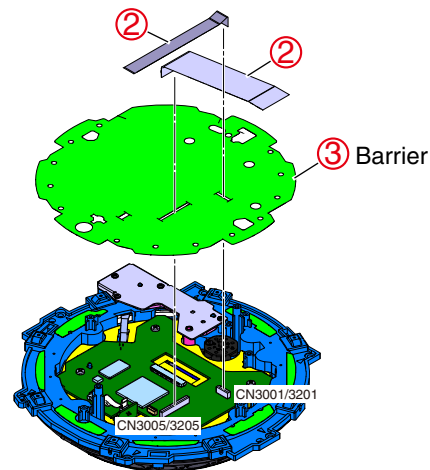
• Bottom view

- ② Disconnect the 2 flexible cables.
(CN3001, 3005, 3201, 3205)

- ③ Remove the Barrier.

Caution:

Cannot be reused.



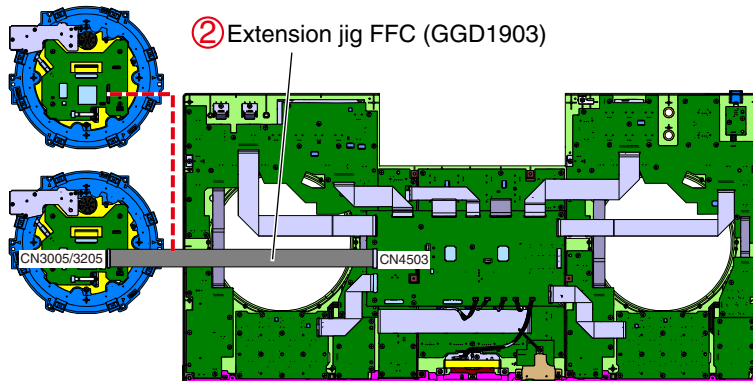
• Bottom view

[3-15] JOG dial rotation load adjustment

- ① Reconnect the PCB Assemblies on the Control panel Section.
② Connect the JOG dial Section with extension jig FFC.

Caution:

JOG dial rotary load adjustment executes CN3001/CN3201 of JLCD Assy in a state of non-connection.



Adjustment

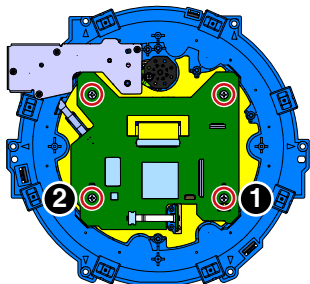
[4] JOG dial Section

[4-1] JLCD1/2 Assy and TFT LCD

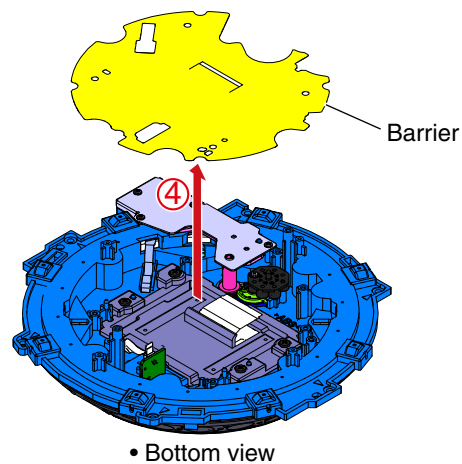
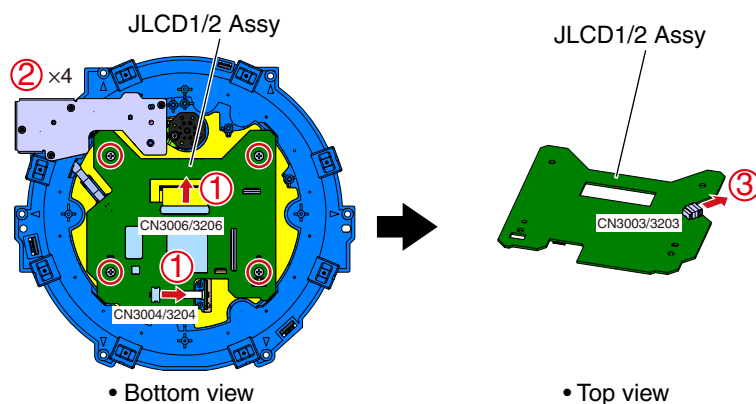
- ① Disconnect the 2 flexible cables.
(CN3004, 3006, 3204, 3206)
- ② Remove the 4 screws and then remove the
JLCD1/2 Assy.
(BPZ30P080FNI)
- ③ Disconnect the 1 flexible cable.
(CN3003, 3203)

Screw tightening order

The other screws are random order.

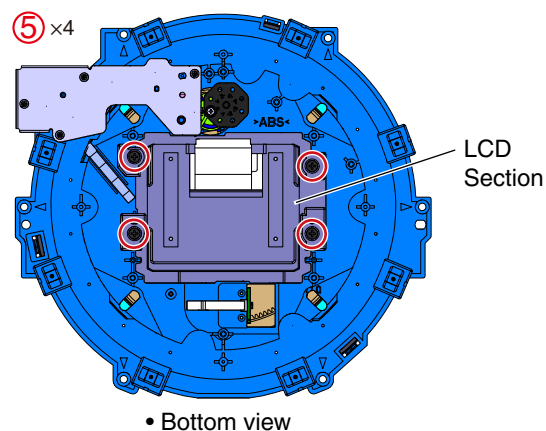
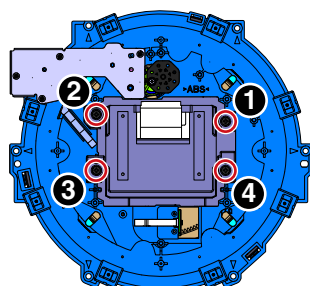


- ④ Remove the Barrier.



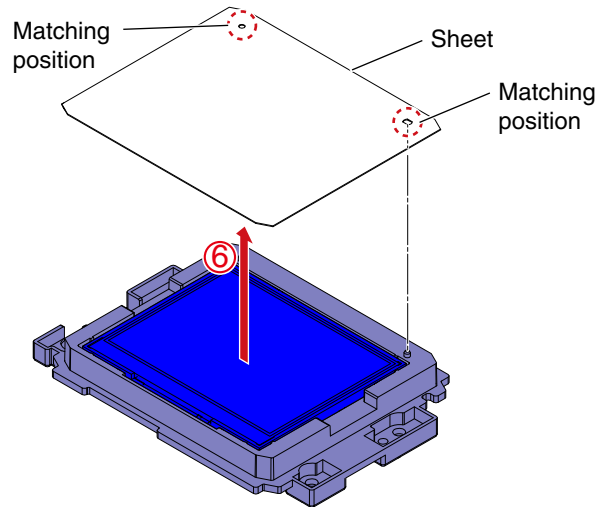
- ⑤ Remove the 4 screws and then remove the
LCD Section.
(BPZ30P080FNI)

Screw tightening order



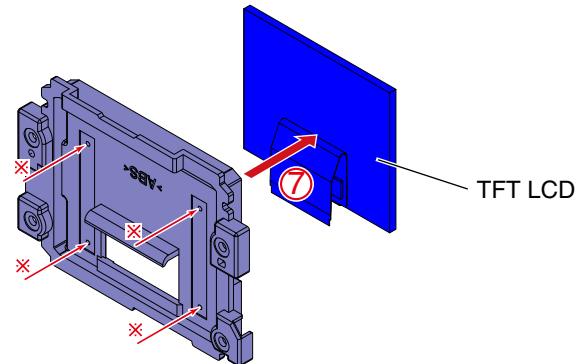
A ⑥ Remove the Sheet.

Caution:
Cannot be reused.



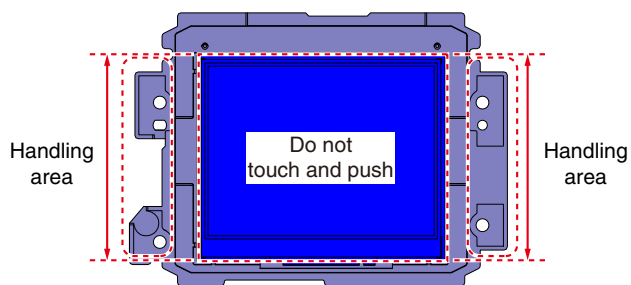
⑦ Remove the TFT LCD.

✗ When it removes the TFT LCD, insert a pin about 1.5 mm in diameter from the four holes on the back side, push out and remove it.

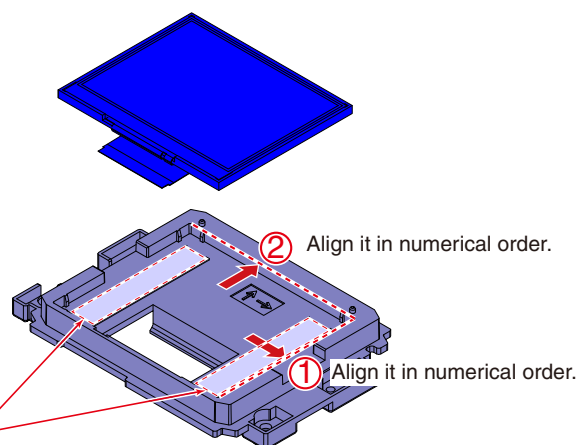


• Bottom view

■ Notes for Reassembling TFT LCD

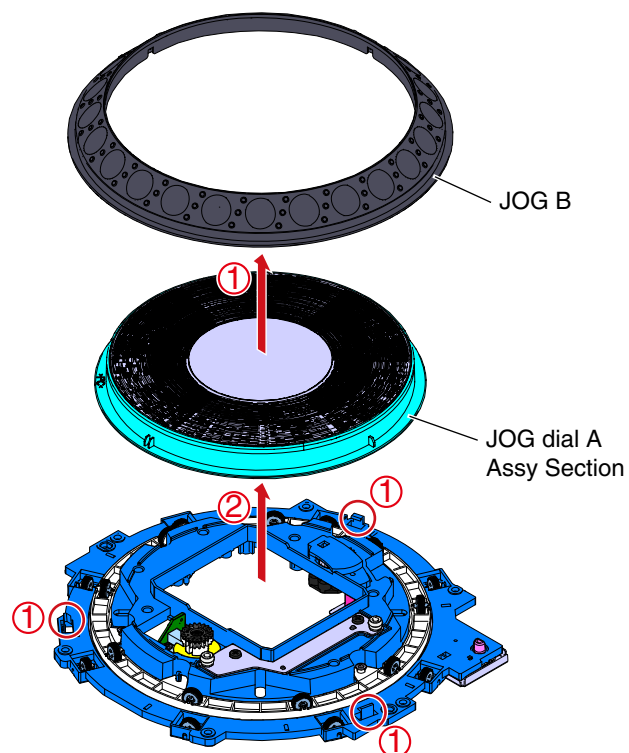


If the double side tape that is used to fix TFT LCD is damaged, remove it clearly. And, stick the new double side tape ((NITTO No. 500) 10 mm × 53 mm) at the position shown in the figure.



[4-2] JOG1/2 Assy and Sheet SW

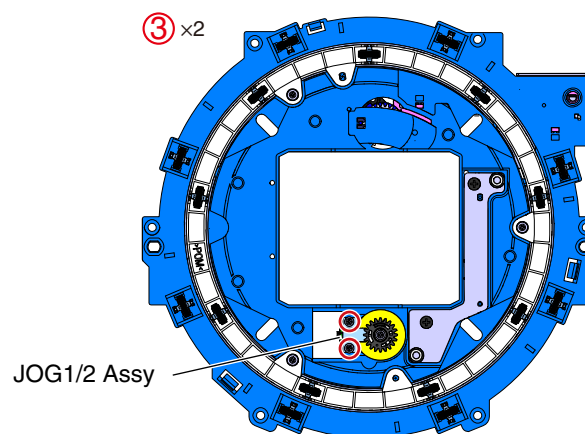
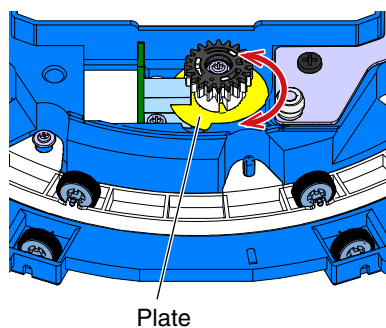
- ① Unhook the 3 hooks and then remove the JOG B.
- ② Remove the JOG dial A Assy Section.



- ③ Remove the 2 screws and then remove the JOG1/2 Assy. (IPZ20P080FTC)

■ Notes for Reassembling

The plate can be inserted between the slit properly, and turn smoothly.

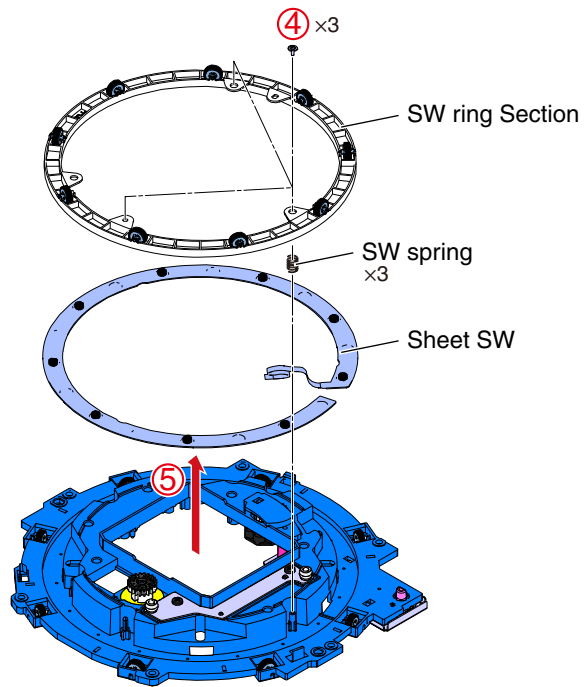


- A ④ Remove the 3 screws and then remove the SW ring Section.
(DBA1265)

Note:

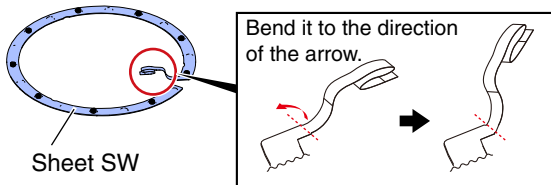
Be careful not to lost SW spring.

- ⑤ Remove the Sheet SW.

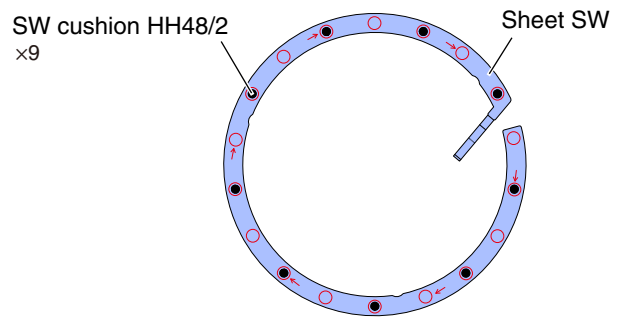


■ Notes on replacing the Sheet SW

• Styling of the Sheet SW



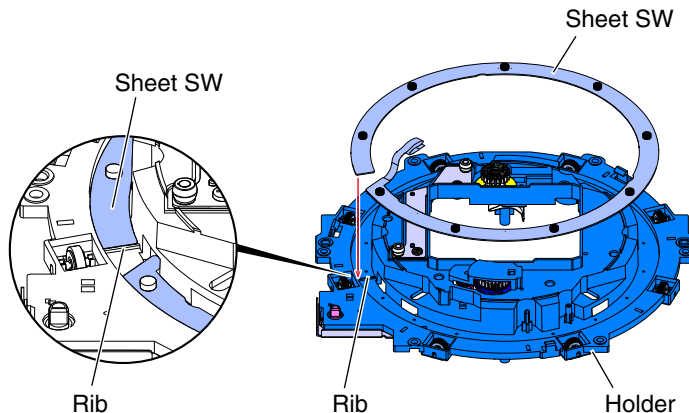
• Pasting position of the SW cushion HH48/2



• Pasting position of the Sheet SW

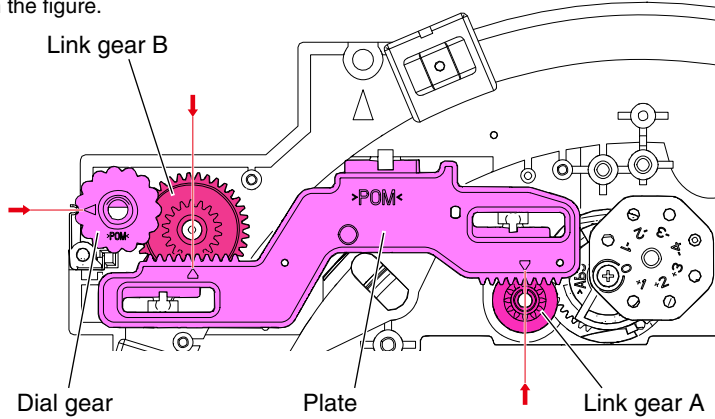
Notes:

- ① Be careful not to warp the sheet SW.
② Remove any dirt on the Holder to which the sheet SW is to be adhered. If some adhesive for the old sheet SW remains on the holder, completely remove it with a cloth moistened with alcohol.
③ Do NOT place the sheet SW so that it is mounted on the rib of Holder.
④ When adhering the sheet SW, be careful not to trap air bubbles in it. If air bubbles are formed, remove the sheet SW and adhere a new sheet SW. Do NOT reuse the removed sheet SW.
⑤ When making a connection, be sure to first release the lock of the connector then securely relock the connector after making the connection.



■ Alignment of the Plate

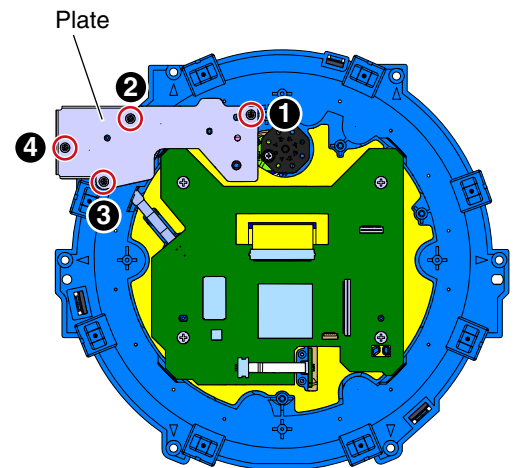
Place the Plate so that its teeth are engaged with those of the gears and its triangular marks are positioned as shown in the figure.



■ Reference information

Screw tightening order

The other screws are random order.

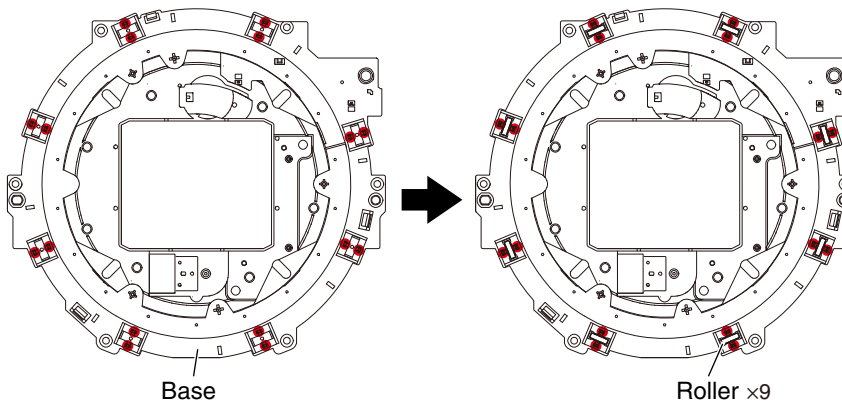


■ Locations of grease application

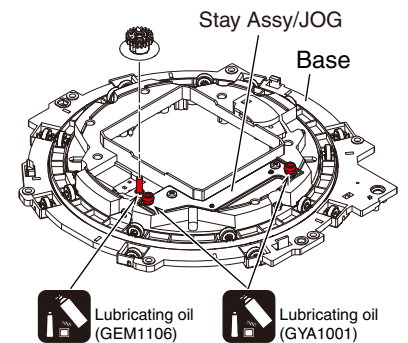
• Base



Lubricating oil
(GYA1001)



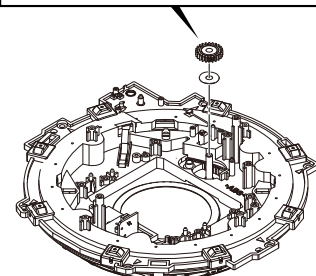
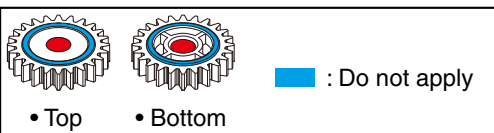
• Base, Stay Assy/JOG



• Gear/LD



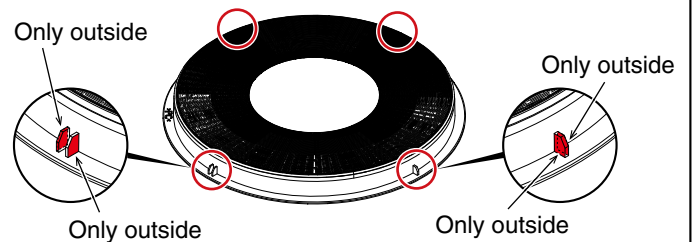
Lubricating oil
(GEM1106)



• JOG dial A Assy



Lubricating oil
(GEM1106)



8. EACH SETTING AND ADJUSTMENT

8.1 NECESSARY ITEMS TO BE NOTED

A After repairing, be sure to check the version of the firmware, and if it is not the latest one, update to the latest version.
Perform the each item when the following parts are replaced.

- IC storing firmware and utility settings
(PCB Assy)
IC1102 (MAIN Assy)

➡

• Confirmation of the version of the firmware

• Updating to the latest version of the firmware
(8.2 UPDATING OF THE FIRMWARE)

• Writing the serial number of the unit
(8.5 WRITING THE SERIAL NUMBER OF THE UNIT)

• Factory reset
(Be changed user setting to condition before the repair
when be possible)

- UCOM Assy
(ERP UCOM: IC4502)
(PANELM UCOM: IC4505)

➡

• Confirmation of the version of the firmware

• Updating to the latest version of the firmware
(8.2 UPDATING OF THE FIRMWARE)

- JOG LCD, LCD sheet and peripheral parts

• IC storing calibration value
(PCB Assy)
IC3003 (JLCD1 Assy)
IC3203 (JLCD2 Assy)

➡

• Confirmation of the version of the firmware

• Updating to the latest version of the firmware
(8.2 UPDATING OF THE FIRMWARE)

• JOG LCD calibration
(6.2 LCD CALIBRATION MODE)

- JOG dial section component part

➡

• Confirmation of the specified value by JOG dial Rotation
Time measurement mode
(8.3 JOG DIAL ROTATION LOAD ADJUSTMENT)

- X-PAD

➡

• Confirmation of the X-PAD operation
(6.1 TEST MODE ⑧ MODE 8: X-PAD Test)

- Touch panel

➡

• Confirmation of the Touch panel operation
(6.1 TEST MODE ⑨ MODE 9: Touch panel Test)

- Tempo slider VR
VR8352 (TMP1 Assy)
VR9452 (TMP2 Assy)

➡

• TEMPO ZERO POINT ADJUSTMENT
(8.4 TEMPO ZERO POINT ADJUSTMENT)

8.2 UPDATING OF THE FIRMWARE

Note:

If the power cord is disconnected during updating, perform updating again after the unit is turned on the next time. Then you can operate the unit normally.

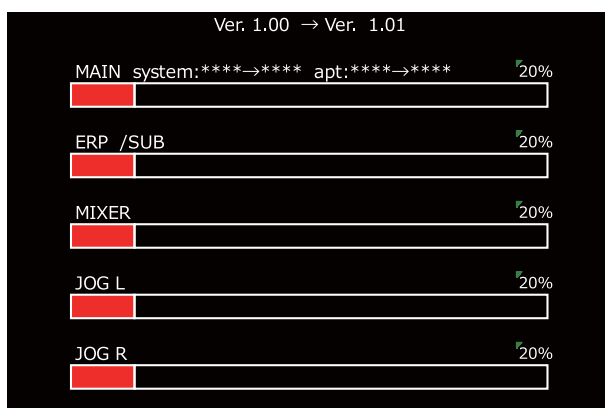
You cannot operate the unit normally without reperforming updating.

■ Procedure

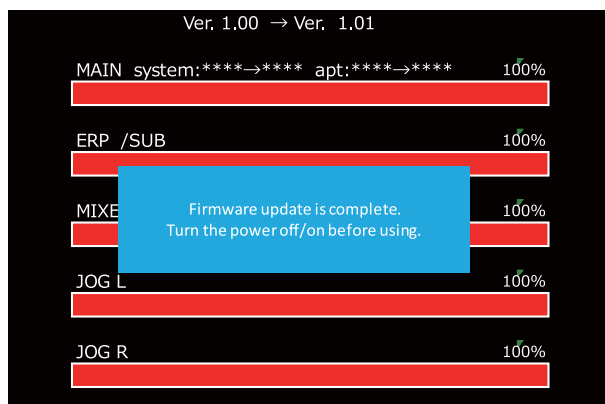
- ① Copy an update file (XDJXZ.UPD) to a root folder of USB device.
- ② Turn on the power, pressing the USB1 "USB1 STOP", DECK 2 "CUE/LOOP CALL ► (LOOP 2X)" buttons, enter the service update mode for firmware.
(Be sure to hold the  switch pressed until the unit starts up.)



- ③ Insert the USB device into the USB 1 slot which you wrote in an update file at with step ①.
- ④ Update is started.



- ⑤ Update is completed, and displayed "Firmware update is complete."



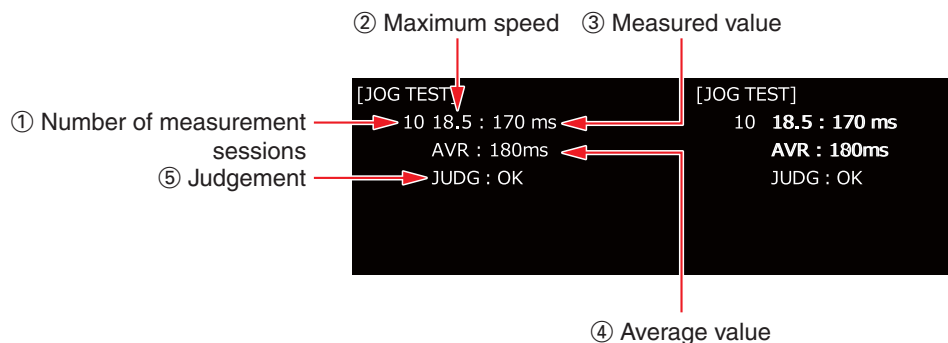
8.3 JOG DIAL ROTATION LOAD ADJUSTMENT

■ Measurement content

The time required for the JOG dial to decrease its rotation speed from 3 times to 1.5 times normal speed will be measured. If the maximum speed does not reach 7 times normal speed, measurement will not be performed.

■ Indications

- ① Number of measurement sessions: The accumulated number of measurement sessions from a measurement start will be displayed (1, 2, 3, . . .).
- ② Maximum speed: The maximum speed in each measurement session will be displayed (unit: x normal).
- ③ Measured value: The time required for the rotation speed to slow down from 3 times to 1.5 times normal speed ("slowdown time") in each measurement session will be displayed (unit: msec).
- ④ Average value: The average value of all measured values (3 above) will be displayed (unit: msec).
- ⑤ Judgement: "OK" is displayed if the average value of ④ is within the range below.
"NG" is displayed if it is out of the range.
When the number of measurements of ① is 4 times or less, nothing is displayed.



※About the connection during measurement

When doing the measurement, remove the JOG dial. And, connect CN4503 of UCOM Assy and CN3005 (or CN3205) of the JOG dial with the Extension jig FFC (GGD1903).

If not remove it, you cannot operate the Adjust plate.

(See "7. DISASSEMBLY [3-15] JOG dial rotation load adjustment" for more details.)

■ Procedures

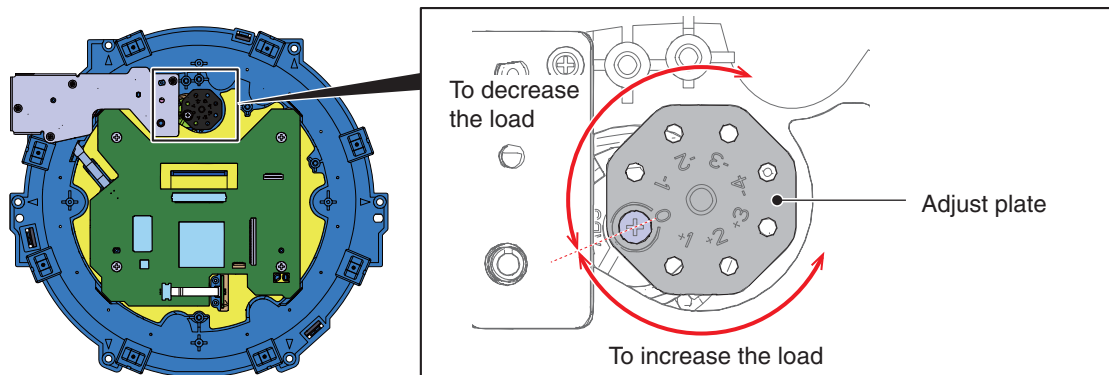
- (1) After reassembly, perform manual run-in rotations for 20–30 seconds so that grease will spread evenly and entirely.
- (2) Enter the mode for JOG dial Rotation Load Adjustment.
While holding the DECK 2 MEMORY and TEMPO buttons pressed, press the ⏻ switch to turn the unit on.
(Be sure to hold the u switch pressed until the unit starts up.)
- (3) Set JOG ADJUST knob for the center.
- (4) Turn the JOG dial swiftly. Always turn the JOG dial in the right direction.
- (5) The slowdown time (unit: msec) will be measured.
- (6) Perform measurement 5 times. Confirm that a judgment indicated by a display is "OK".
(value of standard: 170 ± 20 msec)
When the rotation decrease time is coming off from spec (NG), the adjustment value of Adjust plate is changed, and confirm it again.



Load adjustment method

Remove the screw fixing the Adjust plate, then screw it into the hole corresponding to the value (-1, -2, -3, -4, +1, +2 or +3) for a load to be added:

- 1, -2, -3, -4 : To decrease the load
- +1, +2, +3 : To increase the load



Reset

Press SHIFT button and Rotary selector : all data is reset only on the DECK side where SHIFT button is pressed.

Measurement history

The measurement data (②, ③, and ④ above) from each measurement session will be stored in memory for up to 99 sessions. To display measurement data, turn the Rotary selector while holding the SHIFT button of each DECK pressed.

8.4 TEMPO ZERO POINT ADJUSTMENT



Necessary Adjustment Points

When

Exchange the
TEMPO SLIDER VR



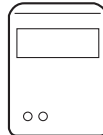
Adjustment points

VR8352, VR9452
(Zero Point ADJ)

Jigs



• Precise screwdriver (small)



• Digital multimeter which
can be measured to 0.1mV.

• Insulation sheet (The thing
that is bigger than PCB)

Adjustment and Check Points



TEMPO knob
(TMP1 or TMP2 Assy)

Zero Point ADJ.

Notes:

Perform the adjustment before TMP1 or 2 Assy mounting.
Repeat the adjustment until the voltage becomes 0 ± 5 mV.

① Insert the insulation sheet between TMP1 or 2 Assy and the main unit.



TMP1 or 2
Assy
Insulation
sheet

② Match the knob section of slide VR with
CENTER POSITION.

Knob section of slide VR

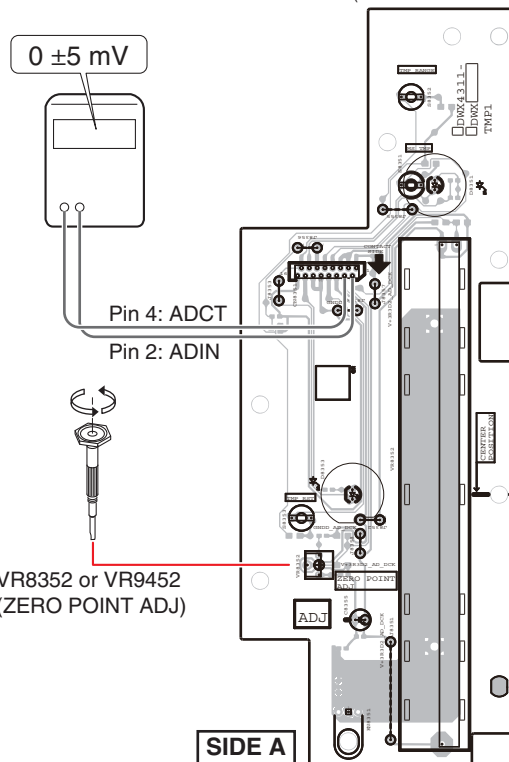


CENTER POSITION

③ Adjust it so that turn VR8352 or VR9452, and the
voltage of the digital multimeter becomes 0 ± 5 mV.

TMP1 or 2 ASSY

(This illust is TMP1 Assy.)



Writing the serial number can be performed from a PC that is connected with this unit via a USB B cable.

Preparations

- ① Download the software from writing the serial number from Niis.

② The compressed files decompress and save to PC.
- The generated folder is below.
- Ini folder

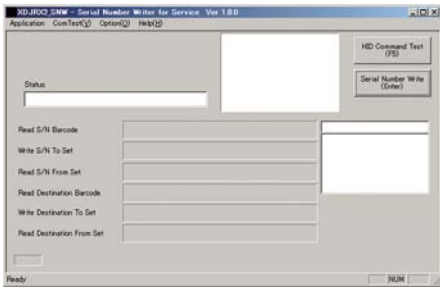
• Log folder

• XDJZX_SNW.exe

• hidcom.dll

Procedure

- ① Turn on PC, and click “XDJZX_SNW.exe” in the generated folder. When the software is started, untick “Label print”.



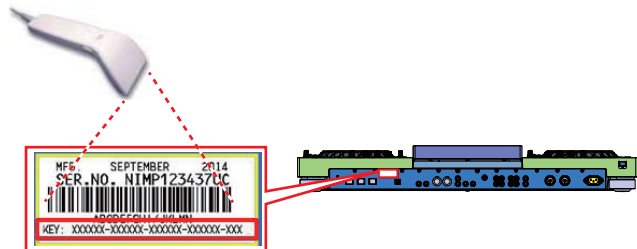
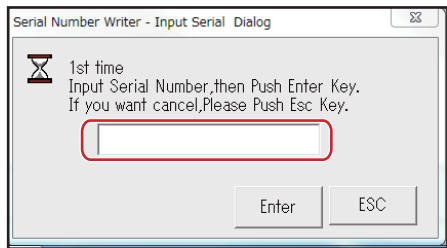
- ② Connect the unit with a PC via a USB B cable.
- ③ While holding the DECK 1 MEMORY and DECK 1 TEMPO buttons pressed, press the $\odot$ switch to turn the unit on. (Start up the unit in Test mode.)
- ④ Push [Serial Number Write] button, display serial input dialog (first time).

Enter serial number by handwork or barcode reader, and push “Enter”.

If enter by handwork, enter “1” before serial number.

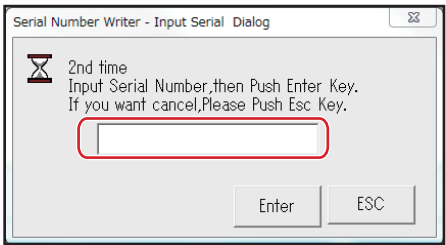
(If forgot, displayed error)

If enter by barcode reader, need to connect for PC in advance.



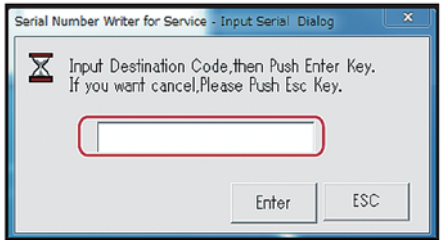
*Reference screen

- ⑤ Again display serial input dialog (second time), enter serial number by handwork or barcode reader, and push “Enter” like Step ④.



- ⑥ Dialog is displayed for the input of Destination Code, you need to enter in accordance with following table.

Model Name	Input Destination Code	LANGUAGE
XDJ-ZX/LWSYXJ	XDJ-ZX/L	ENGLISH
XDJ-ZX/UXJCB	XDJ-ZX/U	ENGLISH
XDJ-ZX/AXJ	XDJ-ZX/A	CHINESE



- ⑦ If update is finished correctly, display “OK” after a while.

This is completed about to write serial number for system.

You need to confirm by Test mode about to write correctly.

The unit is already starting in Test mode [Mode 1 VERSION INFORMATION]. Confirm that "LANGUAGE" is "ENGLISH (AXJ model: CHINESE)" and "SERIAL" is the same as the serial number of the unit.

VERSION INFORMATION			
SYSTEM	Ver.1.00	MIXER	Ver.1.00
ERP	Ver.1.00	DSP	Ver.1.00
PANEL M	Ver.1.00	APL	Rev.2000
JOG LCD(DECK1)	Ver.1.00	KERNEL	Rev.2001
JOG LCD(DECK2)	Ver.1.00	XPAD	Ver.1.00
LANGUAGE	ENGLISH		
MAC_ADDR	00:00:00:00:00:00		
MAC_ADDR(LAN)	00:00:00:00:00:00		
SERIAL	00000000000000		
UPDATE PORT	OK		
OPERATION CHECK	END		

8.6 USER SETTABLE ITEMS

- A This unit is provided with user settable items, as shown below.
Although no serious operational problems occur even if data for such user settable items are cleared during repair, it is recommended that you take note of those settings before starting repair.
Use the Check Sheet (next page), to which you can transcribe the settings.

If the corresponding part or board Assy is replaced for repair, change the user resettable settings to those noted on the Check Sheet before starting repair. If resetting is not possible, when returning the repaired product, be sure to tell the customer that the Utility settings have been cleared and will have to be reset, as required.

Category	Item for user's Setting	Setting Value (The factory default settings are indicated in red letters.)	Part Name	Content to be Stored
B	DECK	LOAD LOCK☆	IC1102 (NSP) (MAIN Assy)	[UTILITY] setting
		LOCK / UNLOCK		
	NEEDLE LOCK	LOCK / UNLOCK		
	QUANTIZE BEAT VALUE(DECK)☆	1/8 Beat, 1/4 Beat, 1/2 Beat, 1 Beat		
	HOT CUE AUTO LOAD☆	ON / rekordbox SETTING / OFF		
	HOT CUE COLOR	ON / OFF		
	AUTO CUE LEVEL	-78 dB, -72 dB, -66 dB, -60 dB, -54 dB, -48 dB, -42 dB, -36 dB, MEMORY		
	SLIP FLASHING	ON / OFF		
	ON AIR DISPLAY	ON / OFF		
	JOG DISPLAY MODE	AUTO / INFO / SIMPLE / ARTWORK		
	JOG RING BRIGHTNESS	OFF / 1 / 2		
	JOG RING INDICATOR	ON / OFF		
C	VINYL SPEED ADJUST	TOUCH&RELEASE / TOUCH / RELEASE		
	AUTO PLAY MODE	ON / OFF		
D	MIXER	EQUALIZER CURVE		
		EQUALIZER / ISOLATOR		
	CHANNEL FADER CURVE	[] CURVE1 / [] CURVE2 / [] CURVE3		
	CROSS FADER CURVE	[] CURVE1 / [] CURVE2 / [] CURVE3		
	MASTER EQUALIZER	MASTER OUT / MASTER AND BOOTH OUT		
	MASTER ATTENUATOR	-12 dB, -6 dB, 0 dB		
	BOOTH MONITOR ATTENUATOR	-12 dB, -6 dB, 0 dB		
	PEAK LIMITER	ON / OFF		
	MIC OUT TO BOOTH	ON / OFF		
	TALK OVER MODE	ADVANCED / NORMAL		
	TALK OVER LEVEL	-24 dB, -18 dB , -12 dB, -6 dB		
	HEADPHONES MONO SPLIT/STEREO	MONO SPLIT / STEREO		
E	USB OUTPUT LEVEL	-19 dB , -15 dB, -10 dB, -5 dB		
	CH3 CONTROL TONE	PHONO / LINE		
	CH4 CONTROL TONE	PHONO / LINE		
	MIXER MIDI MESSAGE ✕	ON / OFF		
F	GENERAL	LANGUAGE		
		Language of each destination		
	PAD/BUTTON BRIGHTNESS	1 / 2 / 3 / 4		
	LCD BRIGHTNESS	1 / 2 / 3 / 4 / 5		
	JOG LCD BRIGHTNESS	1 / 2 / 3 / 4 / 5		
	SCREEN SAVER	ON / OFF		
	TOUCH DISPLAY CALIBRATION	-		
	AUTO STANDBY	ON / OFF		
	VERSION No.	SYSTEM Ver.		
	AUTO CUE	ON / OFF		Key status
	Vinyl MODE	ON / OFF		
	TIME MODE	TIME / REMAIN		
	DECK QUANTIZE	ON / OFF		
	TEMPO RANGE	±6 / ±10 / ±16 / WIDE		
	MASTER TEMPO	ON / OFF		
	FX QUANTIZE	ON / OFF		

✕: A factory shipment initial value is changed to "ON" after Ver1.10.

■ Sheet for confirmation of the user setting

LOAD LOCK		NEEDLE LOCK		QUANTIZE BEAT VALUE(DECK)				HOT CUE AUTO LOAD		
LOCK	UNLOCK	LOCK	UNLOCK	1/8 Beat	1/4 Beat	1/2 Beat	1 Beat	ON	rekordbox SETTING	OFF

HOT CUE COLOR		AUTO CUE LEVEL								
ON	OFF	-78 dB	-72 dB	-66 dB	-60 dB	-54 dB	-48 dB	-42 dB	-36 dB	MEMORY

SLIP FLASHING		ON AIR DISPLAY		JOG DISPLAY MODE				JOG RING BRIGHTNESS		
ON	OFF	ON	OFF	AUTO	INFO	SIMPLE	ARTWORK	OFF	1	2

JOG RING INDICATOR		VINYL SPEED ADJUST			AUTO PLAY MODE		EQUALIZER CURVE		
ON	OFF	TOUCH&RELEASE	TOUCH	RELEASE	ON	OFF	EQUALIZER	ISOLATOR	

CHANNEL FADER CURVE			CROSS FADER CURVE			MASTER EQUALIZER			
CURVE1	CURVE2	CURVE3	CURVE1	CURVE2	CURVE3	MASTER OUT		MASTER AND BOOTH OUT	

MASTER ATTENUATOR			BOOTH MONITOR ATTENUATOR			PEAK LIMITER		MIC OUT TO BOOTH	
-12 dB	-6 dB	0 dB	-12 dB	-6 dB	0 dB	ON	OFF	ON	OFF

TALK OVER MODE		TALK OVER LEVEL				HEADPHONES MONO SPLIT/STEREO			
ADVANCED	NORMAL	-24 dB	-18 dB	-12 dB	-6 dB	MONO SPLIT		STEREO	

USB OUTPUT LEVEL				CH3 CONTROL TONE		CH4 CONTROL TONE		MIXER MIDI MESSAGE	
-19 dB	-15 dB	-10 dB	-5 dB	PHONO	LINE	PHONO	LINE	ON	OFF

PAD/BUTTON BRIGHTNESS				LCD BRIGHTNESS				
1	2	3	4	1	2	3	4	5

JOG LCD BRIGHTNESS					SCREEN SAVER		AUTO STANDBY	
1	2	3	4	5	ON	OFF	ON	OFF

AUTO CUE		Vinyl MODE		TIME MODE		DECK QUANTIZE	
ON	OFF	ON	OFF	TIME	REMAIN	ON	OFF

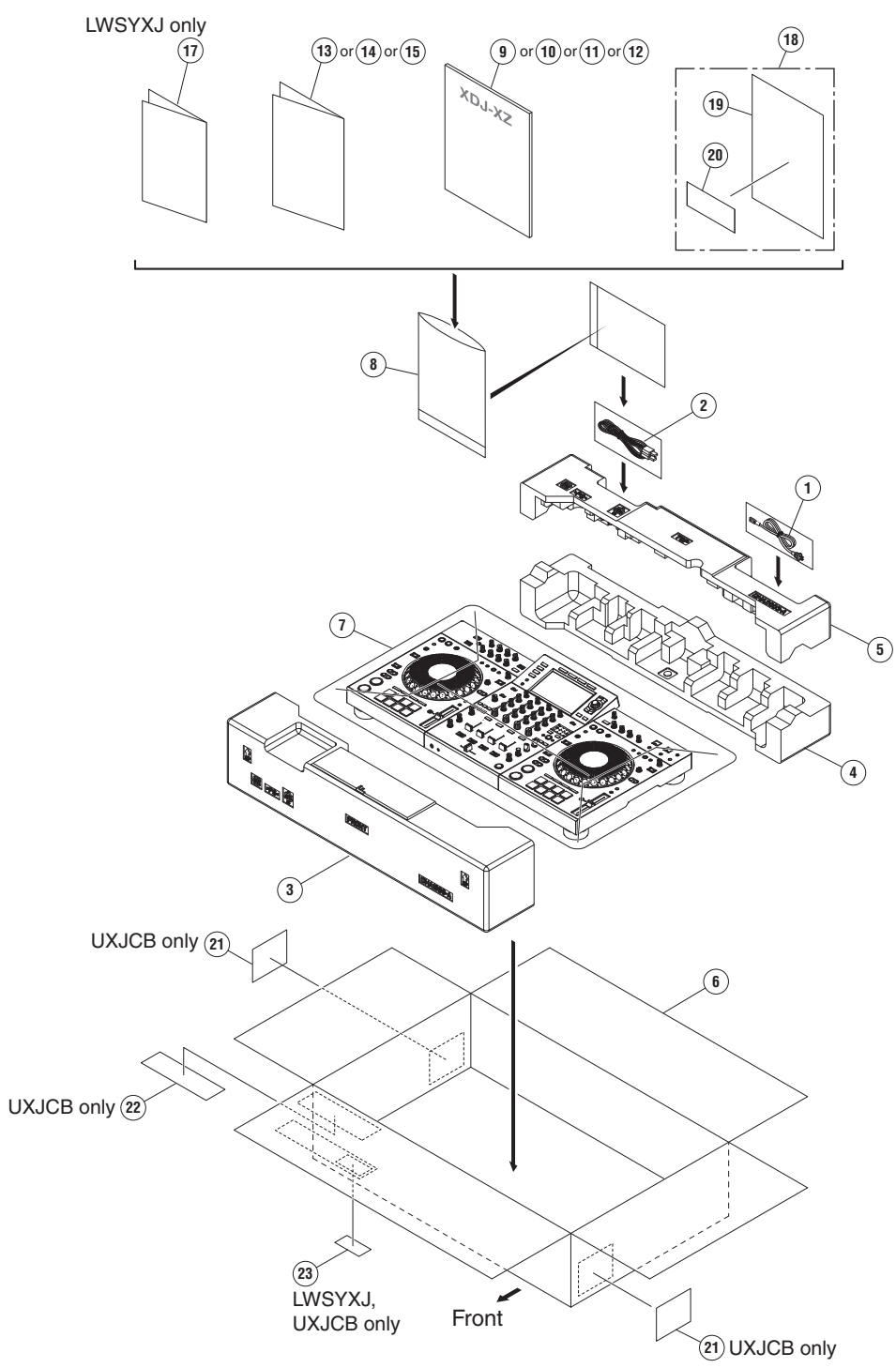
TEMPO RANGE				MASTER TEMPO		FX QUANTIZE	
±6	±10	±16	WIDE	ON	OFF	ON	OFF

1234

9. EXPLODED VIEWS AND PARTS LIST

- NOTES:
- Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
 - The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 - Screws adjacent to ▼ mark on product are used for disassembly.
 - For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

9.1 PACKING SECTION



(1) PACKING SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
⚠	1 Power Cord	See Contrast table (2)	13	Sub Manual	See Contrast table (2)
	2 USB Cable	DDE1150	14	Sub Manual	See Contrast table (2)
	3 Packing Pad	DHA1999	15	Sub Manual	See Contrast table (2)
	4 Packing Pad	DHA2000	16	•••••	
	5 Packing Pad	DHA2003	NSP 17	Warranty	See Contrast table (2)
	6 Packing Case	See Contrast table (2)	NSP 18	1..License Key Card Assy	DEA1046
	7 Mirror Mat	DHL1201	NSP 19	2..Leaflet	DRM1410
NSP 8	Polyethylene Bag	AHG7117	NSP 20	2..rekordbox dj license key card	DXA2304
9	Operating Instructions (Quick nStart Guide)	See Contrast table (2)	21	Label	See Contrast table (2)
			22	Label	See Contrast table (2)
10	Operating Instructions (Quick nStart Guide)	See Contrast table (2)	NSP 23	Label	See Contrast table (2)
11	Operating Instructions (Quick nStart Guide)	See Contrast table (2)			
12	Operating Instructions (Quick nStart Guide)	See Contrast table (2)			

(2) CONTRAST TABLE

XDJ-XZ/AXJ, LWSYXJ and UXJCB are constructed the same except for the following:

Mark	No.	Symbol and Description	XDJ-XZ/AXJ	XDJ-XZ/LWSYXJ	XDJ-XZ/UXJCB
⚠	1	Power Cord	DDG1114	ADG1244	DDG1108
	6	Packing Case	DHG3732	DHG3731	DHG3731
	9	Operating Instructions (Quick nStart Guide)(En)	Not used	Not used	DRH1539
	10	Operating Instructions (Quick nStart Guide)(En, Fr, De, It)	Not used	DRH1540	Not used
	11	Operating Instructions (Quick nStart Guide)(NI, Es, Pt, Ru)	Not used	DRH1541	Not used
	12	Operating Instructions (Quick nStart Guide)(Zhcn)	DRH1542	Not used	Not used
	13	Sub Manual	DRH1594	Not used	Not used
	14	Sub Manual	Not used	DRH1592	DRH1592
	15	Sub Manual	Not used	DRH1593	DRH1593
NSP	17	Warranty	Not used	DRY1270	Not used
	21	Label	Not used	Not used	DRW2831
	22	Label	Not used	Not used	DRW2839
NSP	23	Label	Not used	DRW2838	DRW2838

A



Refer to
"9.8 LCD SECTION".

Accessories of VR

Refer to
"9.3 CHASSIS SECTION".

NON-CONTACT SIDE

CONTACT SIDE

非接触面

接触面

	5		6		7		8	
(1) BOTTOM SECTION PARTS LIST								
	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>		<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	
	1	USBA Assy	DWX4294		16	•••••		
	2	MCTR Assy	DWX4302		17	Holder	VEC1355	A
	3	STL4 Assy	DWX4322		18	Knob	DAA1442	
	4	Shielded Conn-Cable	DDA1094		19	Binder	ZCA-SKB90BK	
	5	FFC	DDD1952		20	Stay	DNH3429	
	6	FFC	DDD1953		21	Rear Panel	See Contrast table (2)	
	7	Cushion/FFC	DEC3531		22	•••••		
	8	Gasket/JOG	DEC3562		23	Screw	BBZ30P060FTB	
	9	Cushion	DEC3592		24	Screw	BBZ30P060FTC	
	10	Cushion	DEC3887		25	Screw	BPZ30P080FNI	
	11	Barrier	DEC3888		26	Screw	BPZ30P100FTB	B
	12	Stay	DNH3311		27	DM Screw (FTC)	DBA1260	
	13	Base	DNK6708					
	⚠ 14	Chassis	DNK6862					
	15	Insulator Assy	DXB2131					

(2) CONTRAST TABLE

XDJ-XZ/AXJ, LWSYXJ and UXJCB are constructed the same except for the following:

Mark	No.	Symbol and Description	XDJ-XZ/AXJ	XDJ-XZ/LWSYXJ	XDJ-XZ/UXJCB
	21	Rear Panel	DAH3271	DAH3268	DAH3269

1 2 3 4

9.3 CHASSIS SECTION

A

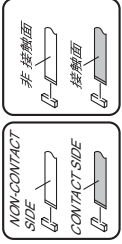
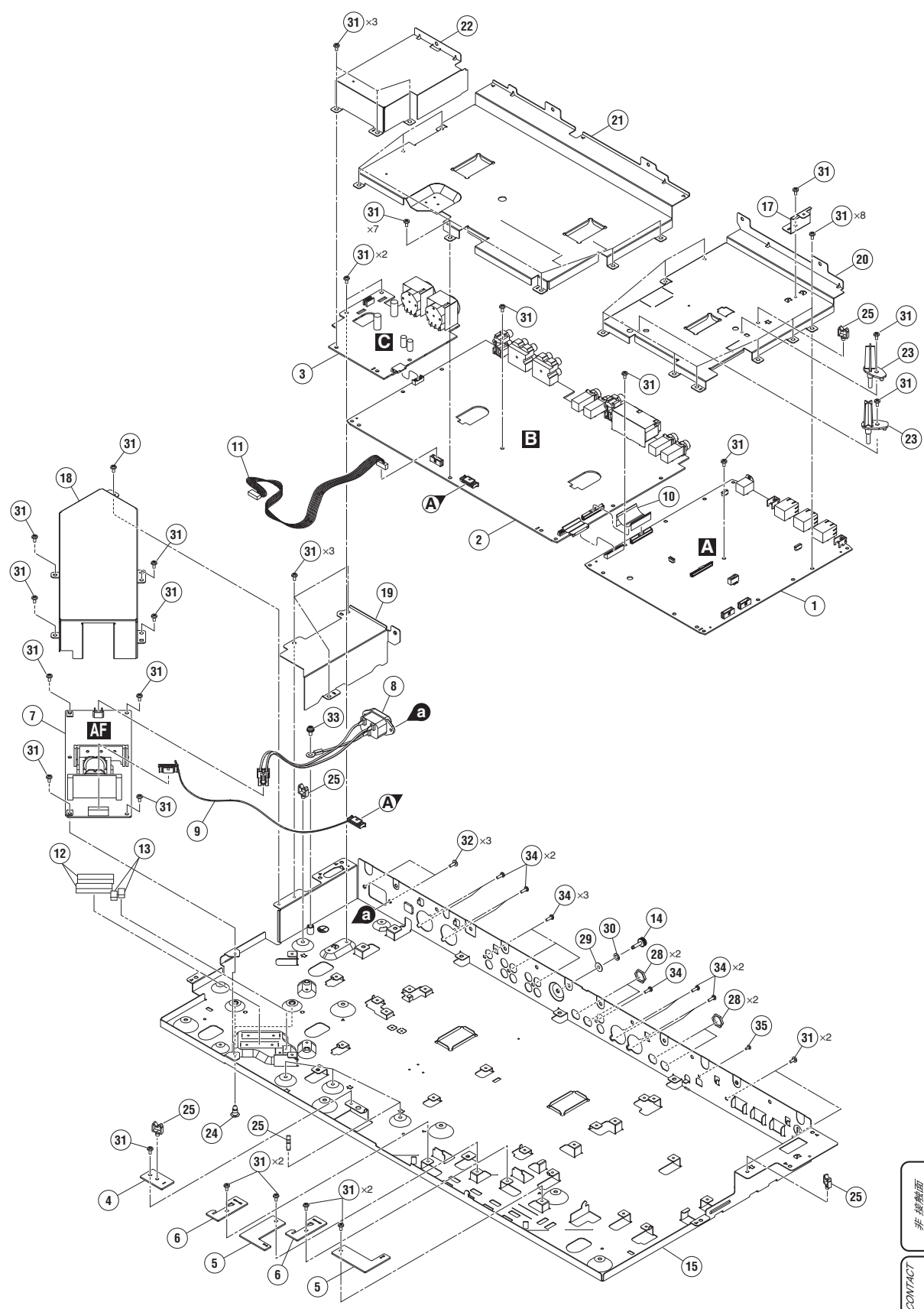
B

C

D

E

F



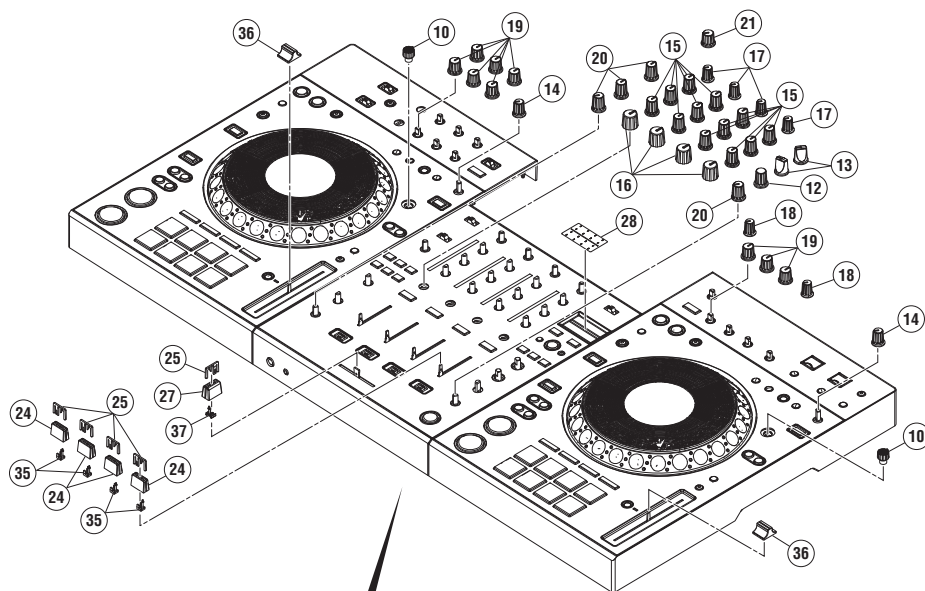
CHASSIS SECTION PARTS LIST

Mark No.	Description	Part No.	
1	MAIN Assy	DWX4287	
2	AUDIO Assy	DWX4298	A
3	MCIN Assy	DWX4300	
4	STL1 Assy	DWX4319	
5	STL2 Assy	DWX4320	
6	STL3 Assy	DWX4321	■
⚠	7 SW POWER SUPPLY	DWR1548	
⚠	8 AC Inlet	DKP3994	
	9 Crimp Connector	DKP3993	
	10 FFC	DDD1950	
	11 Connector Assy	PF06PP-D37	B
	12 Heat Cond Sheet	DEB2020	
	13 Heat Cond Sheet	DEB2073	
	14 Earth Terminal	DKE1015	
	15 Stay	DNH3430	■
	16 ●●●●●		
	17 Bracket	DNH3431	
	18 Shield Case	DNH3432	
	19 Shield Case	DNH3433	
	20 Shield Case	DNH3434	C
	21 Shield Case	DNH3435	
	22 Shield Case	DNH3436	
	23 Support	DNK6869	
NSP	24 PCB Holder	PNW1706	■
	25 Holder	VEC1355	
	26 ●●●●●		
	27 ●●●●●		
	28 Nut (M12)	NKX2FNI	
	29 Washer	WA32F100Q050	D
	30 Spring Lock Washer	WS40FNI	
	31 Screw	BBZ30P060FTC	
	32 Screw	IBZ30P080FTB	
	33 Screw	PMH40P080FTC	■
	34 Screw	PPZ30P080FTB	
	35 Screw (M3 * 5)	DBA1340	

E

F

9.4 CONTROL PANEL SECTION (1/3)

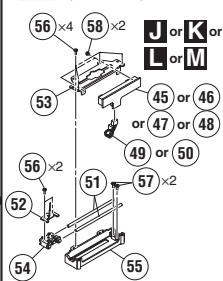


• Bottom view

• Top view

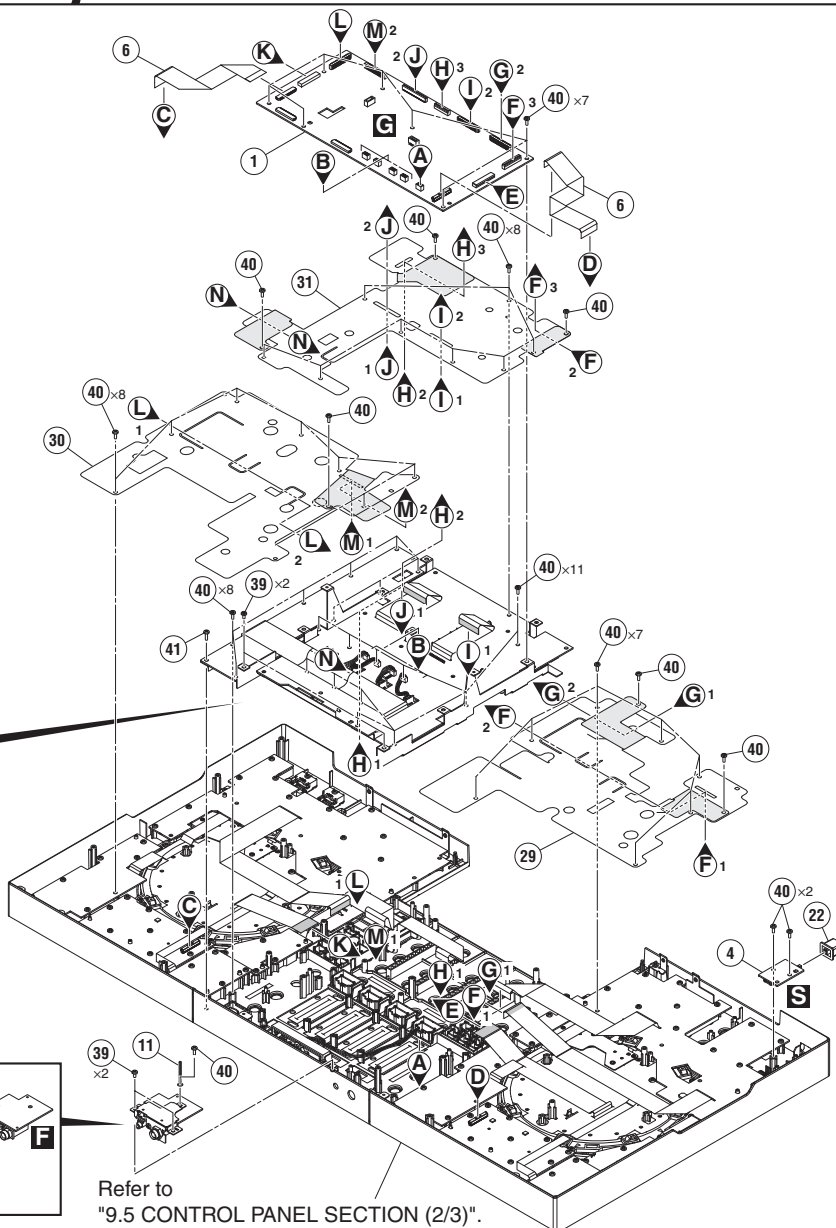
Refer to "7. DISASSEMBLY"

Lubricating oil
(GYA1001)



Accessories
of VR x24

Accessories
of VR x4



Refer to
"9.5 CONTROL PANEL SECTION (2/3)".

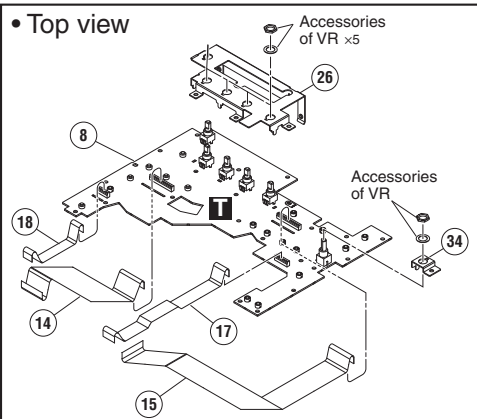
CONTROL PANEL SECTION (1/3) PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.	
1	UCOM Assy	DWX4296	46	CHF2 Assy	DWX4304	
2	EFSW Assy	DWX4297	47	CHF3 Assy	DWX4305	A
3	MIXER Assy	DWX4299	48	CHF4 Assy	DWX4306	
4	PWSW Assy	DWX4312	49	Connector Assy (CH1 to CH3)	PF03PP-B05	
5	HPJK Assy	DWX4301	50	Connector Assy (CH4)	PF03PP-B07	
6	FFC	DDD1935	51	Guide Shaft VK1	DLA1978	
7	FFC	DDD1943	52	Lever Plate	DNH2954	
8	FFC	DDD1944	53	VR Stay	DNH2955	
9	FFC	DDD1946	54	Slider Base	DNK5851	
10	Knob	DAA1406	55	Shaft Holder	DNK5852	
11	Cord Clamper (Steel)	RNH-184	56	Screw	BPZ20P060FTC	B
12	Rotary SW Knob (C)	DAA1180	57	Screw	CPZ26P080FTC	
13	Select Knob	DAA1205	58	Screw	PMH20P040FTC	
14	Knob/LBK	DAA1284				
15	Knob/RSW	DAA1305				
16	Knob/FRE	DAA1309				
17	Knob	DAA1408				
18	Knob	DAA1409				
19	Knob	DAA1432				
20	Knob	DAA1434				C
21	Knob	DAA1435				
22	Power Knob	DAC2306				
23	Slide SW Cap (W)	DAC2401				
24	Knob	DAC3539				
25	Slider Knob 2	DAC2685				
26	Cap	DAC3136				
27	Knob	DAC3238				
28	Sheet	DEC3843				
29	Barrier	DEC3847				D
30	Barrier	DEC3848				
31	Barrier	DEC3849				
32	Stay/HP	DNH3182				
33	Stay	DNH3426				
34	Stay	DNH3427				
35	Slider Knob Stopper	DNK5888				
36	Knob/SLD	DNK5981				
37	Stopper	DNK6440				
38	Nut M12	DBN1018				E
39	Screw	BBZ30P060FTC				
40	Screw	BPZ30P080FNI				
41	Screw	BPZ30P100FTB				
42	Screw	BSZ20P040FTB				
43						
44						
45	CHF1 Assy	DWX4303				F

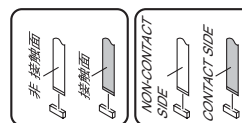
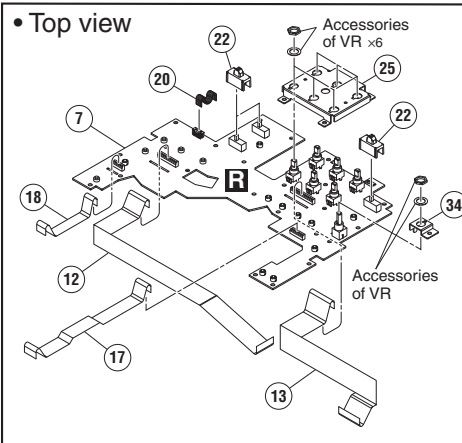
9.5 CONTROL PANEL SECTION (2/3)

A • Bottom view

• Top view



• Top view



Refer to
"9.8 JOG DIAL SECTION".

Refer to
"9.8 JOG DIAL SECTION".

Refer to "7. DISASSEMBLY"



Lubricating oil
(GYA1001)

Refer to
"9.6 CONTROL PANEL SECTION (3/3)".

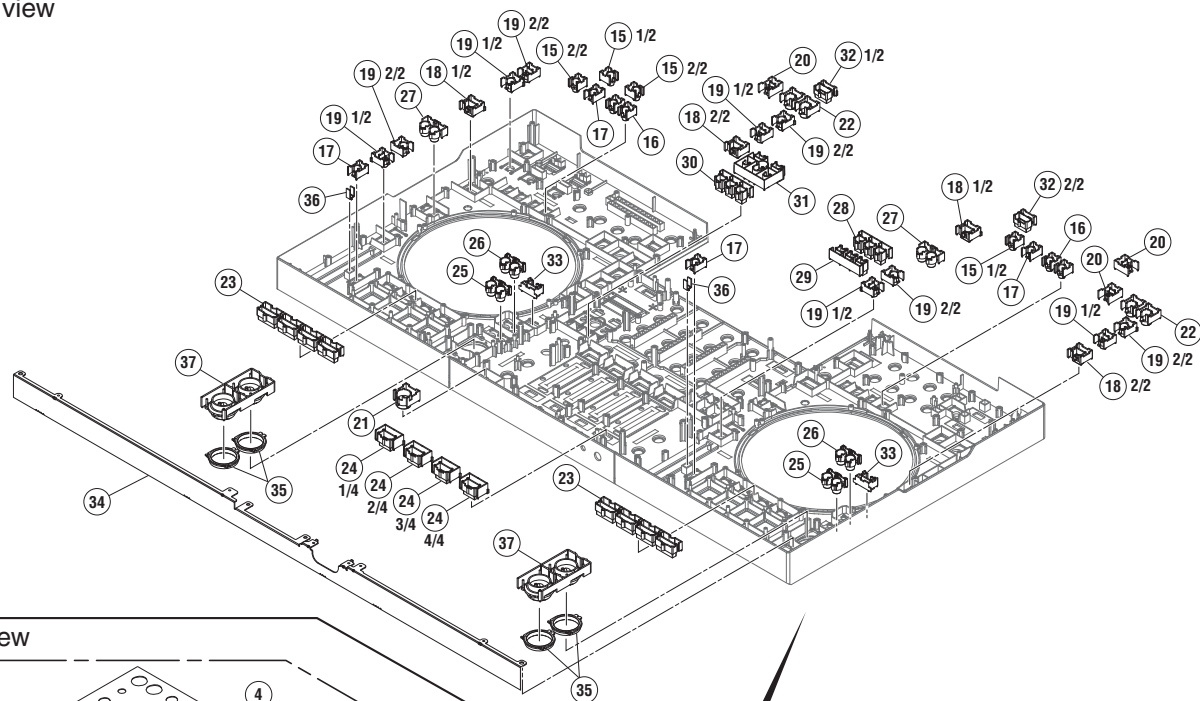
XDJ-XZ

CONTROL PANEL SECTION (2/3) PARTS LIST

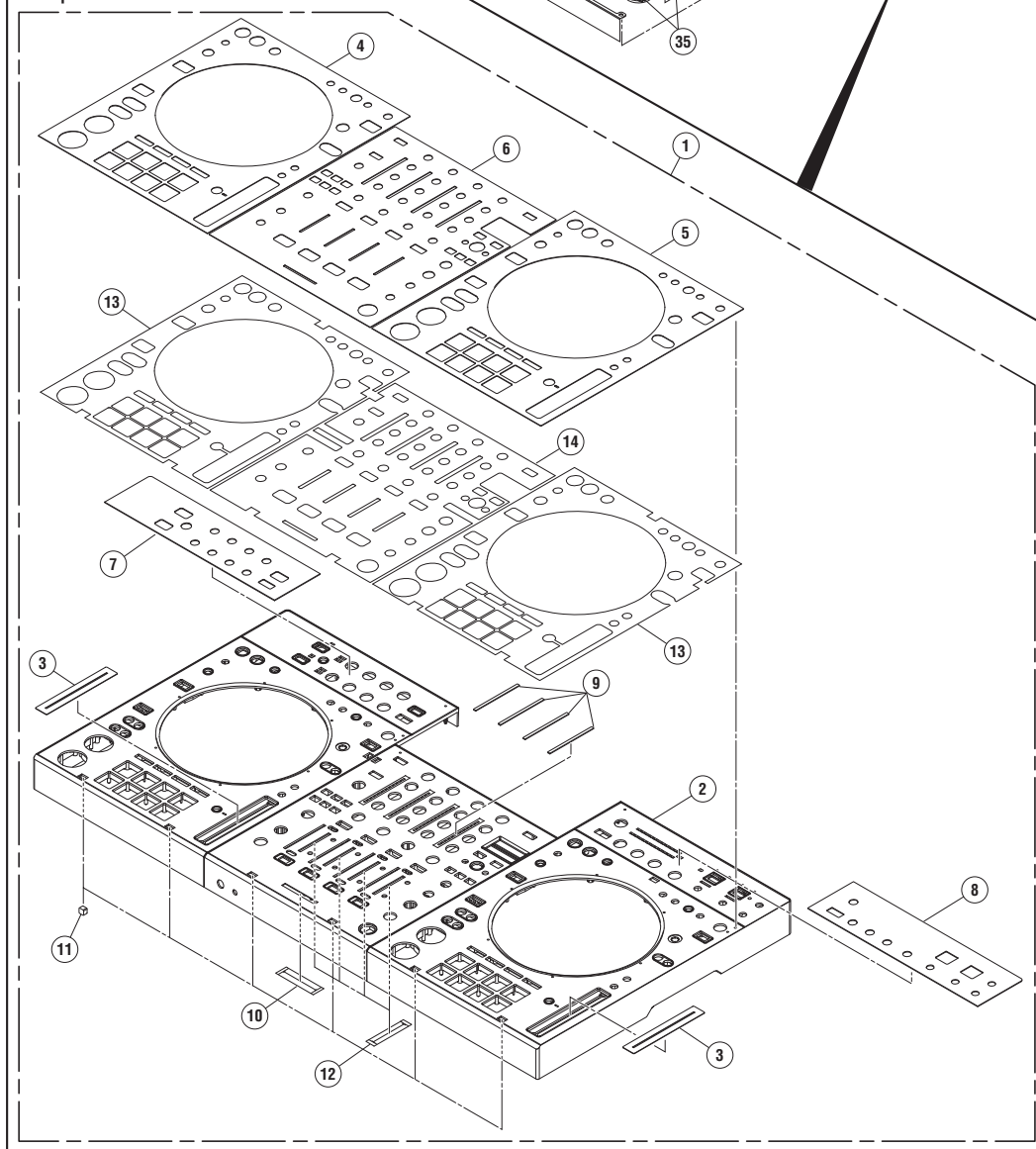
<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	
1	PAD1 Assy	DWX4292	
2	PAD2 Assy	DWX4293	A
3	PLAY1 Assy	DWX4307	
4	PLAY2 Assy	DWX4308	
5	SER1 Assy	DWX4310	
6	SER2 Assy	DWX4314	■
7	DCK1 Assy	DWX4309	
8	DCK2 Assy	DWX4313	
9	TMP1 Assy	DWX4311	
10	TMP2 Assy	DWX4315	
11	XPAD Assy	DWX4290	B
12	FFC	DDD1939	
13	FFC	DDD1940	
14	FFC	DDD1941	
15	FFC	DDD1942	■
16	FFC	DDD1945	
17	FFC	DDD1947	
18	FFC	DDD1948	
19	FFC	DDD1949	
20	Jumper Wire	D20PYY0405E	C
21	Jumper Wire	D20PYY0410E	
22	SW Cap	DAC2753	
23	Tape	DEH1083	
24	Bracket	DNH3312	
25	Stay	DNH3424	■
26	Stay	DNH3425	
27	Door	DNK6497	
28	Holder	DNK6710	
29	Holder	DNK6867	D
30	Lens	DNK6868	
31	Button	DEB2075	
32	Sheet	DEC3739	
33	Spacer	DEC3740	■
34	VR Stay S	DNH2964	
35	Screw	BPZ30P080FNI	
36			
37	CRFD Assy	DWX4295	
38	Connector Assy	PF03PP-B15	E
NSP 39	Cushion	DEC3356	
40	Lever	DNH3211	
41	Stay	DNH3301	
42	Holder	DNK6425	■
43	Slider	DNK6426	
44	Guide Bar	VLL1514	
45	Screw	BBZ30P060FTC	
46	Screw	BPZ20P050FTC	F
47	Screw	CPZ26P080FTC	

9.6 CONTROL PANEL SECTION (3/3)

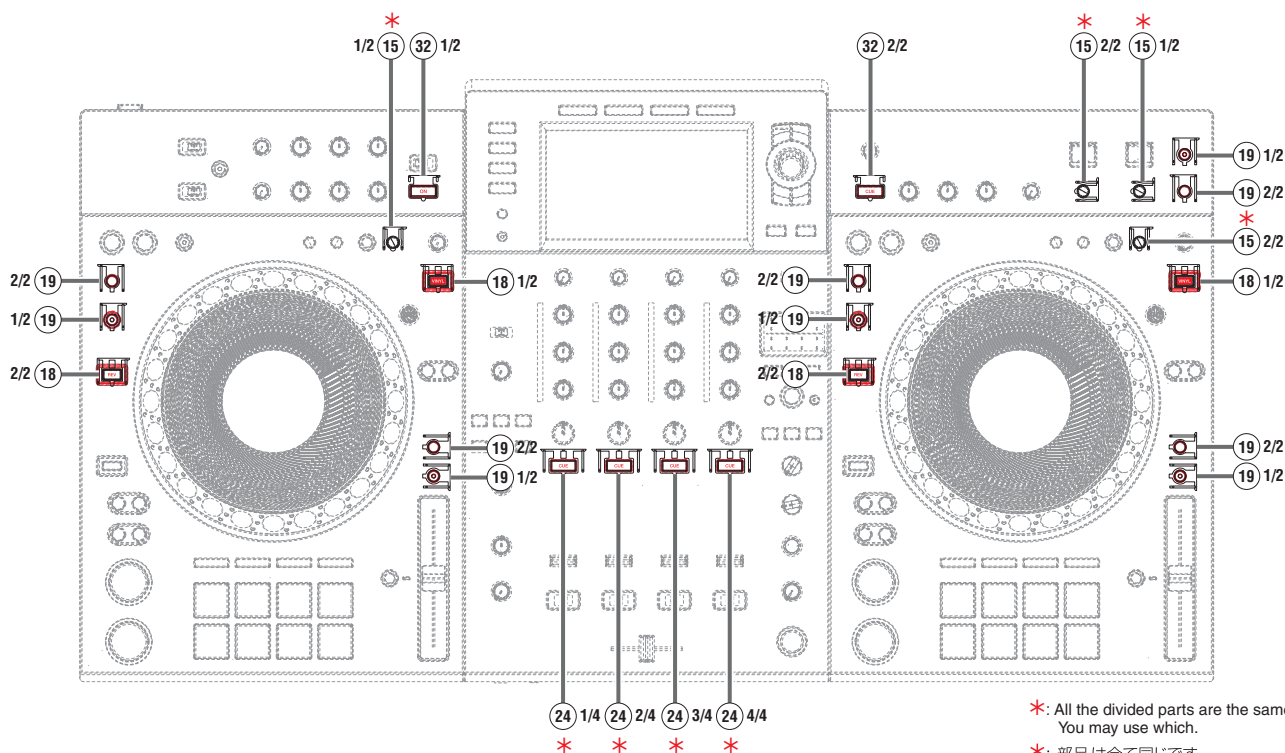
A • Bottom view



• Top view



•The position of the divided parts / 分割部品の取り付け位置



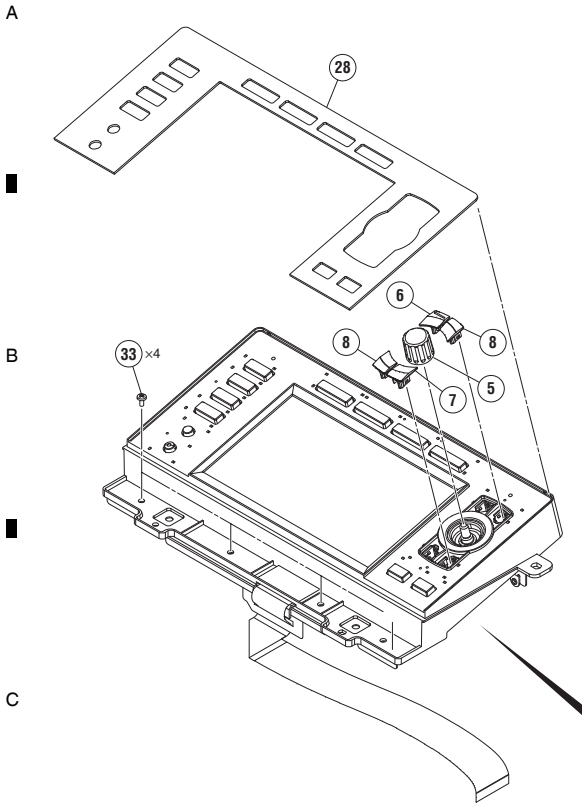
CONTROL PANEL SECTION (3/3) PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	1..Control Panel Service Assy	DEA1094	21	Button/EF	DAC3040
⚠ NSP 2	2..Control Panel	DNK6863	22	Button/LOP	DAC3074
3	2..Slide Sheet 1C	DAH2404	23	Button	DAC3285
NSP 4	2..Plate	DAH3261	24	Button	DAC3287
NSP 5	2..Plate	DAH3262	25	Button	DAC3363
NSP 6	2..Plate	DAH3263	26	Button	DAC3413
NSP 7	2..Plate	DAH3265	27	Button	DAC3478
NSP 8	2..Plate	DAH3266	28	Button	DAC3479
NSP 9	2..Plate	DAH3267	29	Button	DAC3480
10	2..Packing	DEC3642	30	Button	DAC3481
11	2..Gasket	DEC3719	31	Button	DAC3482
12	2..Sheet	DEC3795	32	Button	DAC3483
NSP 13	2..DS Tape	DEH1108	33	Button	DAC3502
NSP 14	2..DS Tape	DEH1109	34	Frame	DNH3423
15	Button/TMP	DAC2845	35	Ring Rens (PLAY)	DNK5315
16	Button/CAL	DAC3020	36	Lens	DNK5862
17	Button/DLT	DAC3021	37	Button Unit	DXB2198
18	Button/RVL	DAC3023			
19	Button/MT	DAC3029			
20	Button/REL	DAC3030			

JOG DIAL SECTION PARTS LIST

Mark No.	Description	Part No.	
1	JLCD1 Assy	DWX4288	
2	JLCD2 Assy	DWX4289	A
3	JOG1 Assy	DWX4317	
4	JOG2 Assy	DWX4318	
5	TFT LCD	DWX4228	
6	FFC	DDD1843	
7	FFC (for Left Deck)	DDD1937	
8	FFC (for Right Deck)	DDD1938	
9	JOG Plate	DAH2679	
10	Window	DAH3189	
11	SW Spring	DBH1681	B
12	Encoder Spring	DBH1710	
13	Coil Spring/LD	DBH1798	
14	Leaf Spring/ADJ	DBK1376	
15	SW Cushion HH48/2	DEC2538	
16	Washer	DEC3137	
17	Cushion/RNG	DEC3466	
18	Plate	DEC3700	
19	Sheet	DEC3844	
20	Barrier	DEC3845	C
21	Barrier	DEC3846	
22	Plate	DNH3345	
23	JOG B	DNK4068	
24	SW Ring	DNK5233	
25	Smoother	DNK5237	
26	Comp Plate	DNK5243	
27	Adjust Plate	DNK5300	
28	Cam Plate	DNK5301	
29	Dial Gear	DNK5302	D
30	Link Gear A	DNK5303	
31	Link Gear B	DNK5304	
32	Gear/A	DNK6143	
33	Gear/B	DNK6144	
34	Gear/LD	DNK6145	
35	Holder	DNK6745	
36	Plate	DNK6748	
37	Holder	DNK6866	
38	Sheet SW	DSX1078	E
39	Stay Assy/JOG	DXB2133	
40	JOG Dial A Assy	DXA2159	
41	Roller	DXB2178	
42			
43			
44	Screw	BPZ20P100FTC	
45	Screw	BPZ30P080FNI	
46	Screw	IPZ20P060FTC	
47	Screw	IPZ20P080FTC	F
48	Screw (FE)	DBA1265	

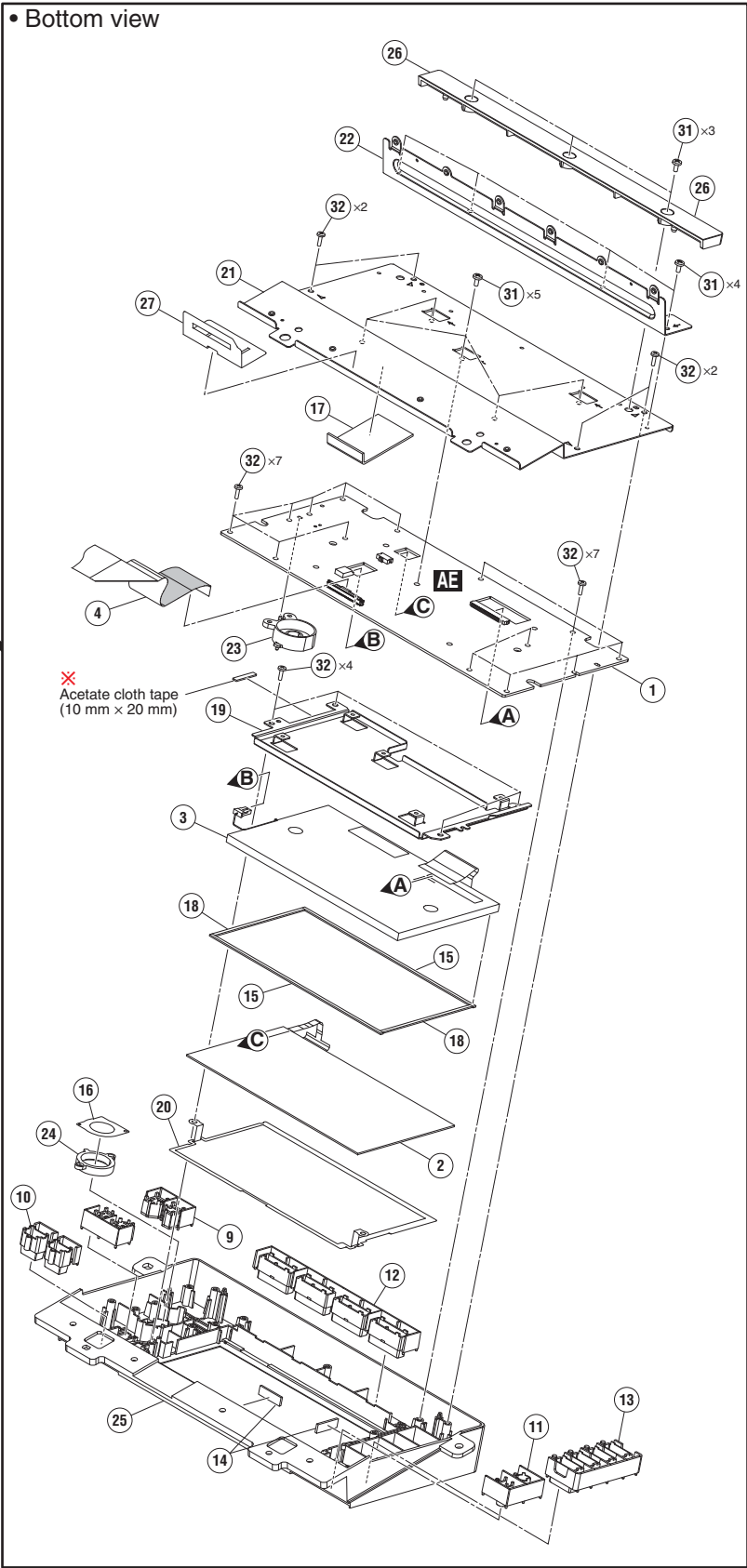
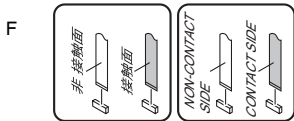
9.8 LCD SECTION



Note ✕:
 If it exchanges the Stay (㊟), be sure to use Acetate cloth tape.
 If possible, reuse the original tape.
 If cannot reuse, paste Acetate cloth tape of service parts as shown in the picture.
 Incidentally, width of original tape is 10 mm, but width of service parts tape is 25 mm.

• Acetate cloth tape for Service

• Pasting position



LCD SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	LCDB Assy	DWX4291
2	Touch Panel	DSX1130
3	TFT LCD	DWX4375
4	FFC	DDD1951
5	Dial Knob	DAA1246
6	Button	DAC3113
7	Button	DAC3117
8	Button	DAC3118
9	Button	DAC3289
10	Button	DAC3290
11	Button	DAC3291
12	Button	DAC3292
13	Button	DAC3484
14	Packing/LCD	DEC3565
15	Packing/L	DEC3568
16	Light-D Sheet	DEC3613
17	Sheet	DEC3741
18	Packing	DEC3886
19	Stay	DNH3309
20	Plate	DNH3310
21	Shield Case	DNH3438
22	Angle	DNH3439
23	Holder	DNK6467
24	Lens	DNK6468
25	Panel	DNK6864
26	Cover	DNK6865
27	Barrier	DEC3888
28	Plate	DAH3264
29	•••••	
30	•••••	
31	Screw	BBZ30P060FTB
32	Screw	BPZ26P080FTC
33	Screw	BBZ30P060FTC

A

B

C

D

E

F